

EXAMGURUX

IBPS RRB XV 2026 - Officer Scale I Prelims

1000 Original Practice MCQs with Answers & Explanations

Important: This is independent ExamGurux practice material. The questions are original and are **not official questions issued by the examining authority**. They are designed to align with the official/most recently available exam structure and syllabus areas. Always verify current notifications on the official website before the exam.

Official reference: Institute of Banking Personnel Selection - CRP RRBs XV (ibps.in)

Coverage note: Scaled from the preliminary-stage reasoning and quantitative-aptitude structure into a 1000-question practice bank.

Section	Questions
Reasoning	500
Quantitative Aptitude	500

Reasoning

Q1. A person walks 10 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 2
- (B) 14.81
- (C) 18
- (D) 12.81

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 8^2} = 12.81$ km.

Q2. Find the next number: 16, 24, 32, 40, 48, ?

- (A) 64
- (B) 72
- (C) 48
- (D) 56

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $48 + 8 = 56$.

Q3. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) DBU
- (B) TAC
- (C) CAT
- (D) ECV

Answer: A

Explanation: Shift each letter forward by one: CAT → DBU.

Q4. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q5. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q6. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) BANK
- (B) KNAB
- (C) CBOL
- (D) DCPM

Answer: C

Explanation: Shift each letter forward by one: BANK → CBOL.

Q7. Find the next number: 16, 21, 26, 31, 36, ?

- (A) 36
- (B) 46
- (C) 51
- (D) 41

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $36 + 5 = 41$.

Q8. Find the next number: 15, 18, 21, 24, 27, ?

- (A) 33
- (B) 27
- (C) 36
- (D) 30

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $27 + 3 = 30$.

Q9. Find the next number: 10, 12, 14, 16, 18, ?

- (A) 22
- (B) 20
- (C) 24
- (D) 18

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $18 + 2 = 20$.

Q10. A person walks 10 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 4
- (B) 13.66
- (C) 16
- (D) 11.66

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 6^2} = 11.66$ km.

Q11. Find the next number: 8, 13, 18, 23, 28, ?

- (A) 28
- (B) 33
- (C) 43
- (D) 38

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $28 + 5 = 33$.

Q12. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q13. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q14. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q15. A person walks 9 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 15.45
- (B) 13.45
- (C) 1
- (D) 19

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 10^2} = 13.45$ km.

Q16. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q17. Find the next number: 7, 13, 19, 25, 31, ?

- (A) 37
- (B) 31
- (C) 43
- (D) 49

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $31 + 6 = 37$.

Q18. Find the next number: 3, 10, 17, 24, 31, ?

- (A) 45
- (B) 38
- (C) 31
- (D) 52

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $31 + 7 = 38$.

Q19. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q20. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q21. A person walks 3 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 7.62
- (B) 10
- (C) 9.62
- (D) 4

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 7^2} = 7.62$ km.

Q22. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q23. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q24. Find the next number: 8, 15, 22, 29, 36, ?

- (A) 50
- (B) 43
- (C) 36
- (D) 57

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $36 + 7 = 43$.

Q25. A person walks 7 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 15
- (B) 12.63
- (C) 1
- (D) 10.63

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 8^2} = 10.63$ km.

Q26. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) DCPM
- (B) KNAB
- (C) BANK
- (D) CBOL

Answer: D

Explanation: Shift each letter forward by one: BANK → CBOL.

Q27. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) EQFG
- (C) CODE
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE → DPEF.

Q28. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) FQI
- (B) EPH
- (C) DOG
- (D) GOD

Answer: B

Explanation: Shift each letter forward by one: DOG → EPH.

Q29. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) SBJM
- (B) LIAR
- (C) RAIL
- (D) TCKN

Answer: A

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q30. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q31. Find the next number: 20, 26, 32, 38, 44, ?

- (A) 50
- (B) 62
- (C) 56
- (D) 44

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $44 + 6 = 50$.

Q32. Find the next number: 9, 14, 19, 24, 29, ?

- (A) 44
- (B) 34
- (C) 39
- (D) 29

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $29 + 5 = 34$.

Q33. A person walks 9 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 11.4
- (B) 13.4
- (C) 2
- (D) 16

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 7^2} = 11.4$ km.

Q34. Find the next number: 16, 24, 32, 40, 48, ?

- (A) 56
- (B) 64
- (C) 48
- (D) 72

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $48 + 8 = 56$.

Q35. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) DPEF
- (C) CODE
- (D) EDOC

Answer: B

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q36. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) NBUI
- (C) HTAM
- (D) MATH

Answer: B

Explanation: Shift each letter forward by one: MATH $\rightarrow$ NBUI.

Q37. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q38. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q39. Find the next number: 2, 5, 8, 11, 14, ?

- (A) 14
- (B) 23
- (C) 20
- (D) 17

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $14 + 3 = 17$.

Q40. Find the next number: 5, 13, 21, 29, 37, ?

- (A) 61
- (B) 37
- (C) 45
- (D) 53

Answer: C

Explanation: The sequence increases by 8 each time, so the next number is $37 + 8 = 45$.

Q41. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q42. A person walks 5 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 11.43
- (B) 9.43
- (C) 3
- (D) 13

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 8^2} = 9.43$ km.

Q43. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q44. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q45. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) TAC
- (B) ECV
- (C) DBU
- (D) CAT

Answer: C

Explanation: Shift each letter forward by one: CAT → DBU.

Q46. A person walks 5 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 9
- (B) 1
- (C) 6.4
- (D) 8.4

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 4^2} = 6.4$ km.

Q47. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q48. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) DPEF
- (B) CODE
- (C) EQFG
- (D) EDOC

Answer: A

Explanation: Shift each letter forward by one: CODE → DPEF.

Q49. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q50. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q51. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q52. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q53. Find the next number: 10, 12, 14, 16, 18, ?

- (A) 20
- (B) 22
- (C) 18
- (D) 24

Answer: A

Explanation: The sequence increases by 2 each time, so the next number is $18 + 2 = 20$.

Q54. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q55. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q56. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q57. Find the next number: 15, 21, 27, 33, 39, ?

- (A) 51
- (B) 45
- (C) 57
- (D) 39

Answer: B

Explanation: The sequence increases by 6 each time, so the next number is $39 + 6 = 45$.

Q58. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) DPEF
- (C) EDOC
- (D) CODE

Answer: B

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q59. A person walks 6 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 2
- (B) 7.21
- (C) 10
- (D) 9.21

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 4^2} = 7.21$ km.

Q60. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q61. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q62. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q63. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) TAC
- (C) DBU
- (D) CAT

Answer: C

Explanation: Shift each letter forward by one: CAT → DBU.

Q64. A person walks 8 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 14.81
- (B) 2
- (C) 12.81
- (D) 18

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 10^2} = 12.81$ km.

Q65. A person walks 6 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 8.71
- (B) 3
- (C) 9
- (D) 6.71

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 3^2} = 6.71$ km.

Q66. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q67. Find the next number: 13, 17, 21, 25, 29, ?

- (A) 29
- (B) 41
- (C) 33
- (D) 37

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $29 + 4 = 33$.

Q68. A person walks 8 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 11.43
- (B) 3
- (C) 9.43
- (D) 13

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 5^2} = 9.43$ km.

Q69. Find the next number: 10, 17, 24, 31, 38, ?

- (A) 52
- (B) 59
- (C) 45
- (D) 38

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $38 + 7 = 45$.

Q70. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) EPH
- (C) FQI
- (D) DOG

Answer: B

Explanation: Shift each letter forward by one: DOG → EPH.

Q71. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q72. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q73. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 17
- (B) 14.04
- (C) 12.04
- (D) 1

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 8^2} = 12.04$ km.

Q74. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q75. Find the next number: 4, 8, 12, 16, 20, ?

- (A) 32
- (B) 28
- (C) 20
- (D) 24

Answer: D

Explanation: The sequence increases by 4 each time, so the next number is $20 + 4 = 24$.

Q76. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) EPH
- (B) DOG
- (C) FQI
- (D) GOD

Answer: A

Explanation: Shift each letter forward by one: DOG → EPH.

Q77. Find the next number: 2, 7, 12, 17, 22, ?

- (A) 27
- (B) 37
- (C) 32
- (D) 22

Answer: A

Explanation: The sequence increases by 5 each time, so the next number is $22 + 5 = 27$.

Q78. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) DBU
- (C) TAC
- (D) CAT

Answer: B

Explanation: Shift each letter forward by one: CAT → DBU.

Q79. Find the next number: 4, 8, 12, 16, 20, ?

- (A) 28
- (B) 24
- (C) 20
- (D) 32

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $20 + 4 = 24$.

Q80. Find the next number: 7, 14, 21, 28, 35, ?

- (A) 35
- (B) 56
- (C) 42
- (D) 49

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $35 + 7 = 42$.

Q81. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q82. A person walks 9 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 11.49
- (B) 12
- (C) 6
- (D) 9.49

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 3^2} = 9.49$ km.

Q83. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q84. A person walks 3 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 12.44
- (B) 10.44
- (C) 13
- (D) 7

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 10^2} = 10.44$ km.

Q85. A person walks 6 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 9.81
- (B) 1
- (C) 7.81
- (D) 11

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 5^2} = 7.81$ km.

Q86. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q87. A person walks 10 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 13.45
- (B) 15.45
- (C) 1
- (D) 19

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 9^2} = 13.45$ km.

Q88. A person walks 3 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 6.71
- (B) 3
- (C) 8.71
- (D) 9

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 6^2} = 6.71$ km.

Q89. Find the next number: 15, 22, 29, 36, 43, ?

- (A) 50
- (B) 43
- (C) 64
- (D) 57

Answer: A

Explanation: The sequence increases by 7 each time, so the next number is $43 + 7 = 50$.

Q90. Find the next number: 19, 26, 33, 40, 47, ?

- (A) 47
- (B) 54
- (C) 61
- (D) 68

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $47 + 7 = 54$.

Q91. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) TAC
- (C) ECV
- (D) DBU

Answer: D

Explanation: Shift each letter forward by one: CAT -> DBU.

Q92. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) CAT
- (C) TAC
- (D) DBU

Answer: D

Explanation: Shift each letter forward by one: CAT -> DBU.

Q93. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q94. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q95. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q96. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q97. A person walks 10 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 10.44
- (B) 13
- (C) 12.44
- (D) 7

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 3^2} = 10.44$ km.

Q98. A person walks 5 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 5.83
- (B) 2
- (C) 8
- (D) 7.83

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 3^2} = 5.83$ km.

Q99. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q100. A person walks 8 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 0
- (B) 11.31
- (C) 16
- (D) 13.31

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 8^2} = 11.31$ km.

Q101. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q102. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q103. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q104. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q105. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) ECV
- (C) TAC
- (D) DBU

Answer: D

Explanation: Shift each letter forward by one: CAT → DBU.

Q106. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q107. Find the next number: 10, 19, 28, 37, 46, ?

- (A) 73
- (B) 46
- (C) 64
- (D) 55

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $46 + 9 = 55$.

Q108. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q109. Find the next number: 12, 16, 20, 24, 28, ?

- (A) 28
- (B) 36
- (C) 32
- (D) 40

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $28 + 4 = 32$.

Q110. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) CODE
- (C) DPEF
- (D) EQFG

Answer: C

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q111. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q112. Find the next number: 5, 13, 21, 29, 37, ?

- (A) 53
- (B) 45
- (C) 61
- (D) 37

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $37 + 8 = 45$.

Q113. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q114. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q115. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) TCKN
- (B) SBJM
- (C) RAIL
- (D) LIAR

Answer: B

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q116. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q117. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) DBU
- (B) ECV
- (C) CAT
- (D) TAC

Answer: A

Explanation: Shift each letter forward by one: CAT -> DBU.

Q118. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q119. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q120. A person walks 3 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 11.49
- (B) 9.49
- (C) 12
- (D) 6

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 9^2} = 9.49$ km.

Q121. Find the next number: 16, 23, 30, 37, 44, ?

- (A) 58
- (B) 44
- (C) 51
- (D) 65

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $44 + 7 = 51$.

Q122. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q123. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) ECV
- (C) DBU
- (D) TAC

Answer: C

Explanation: Shift each letter forward by one: CAT → DBU.

Q124. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q125. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q126. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) HTAM
- (B) OCVJ
- (C) NBUI
- (D) MATH

Answer: C

Explanation: Shift each letter forward by one: MATH → NBUI.

Q127. A person walks 7 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 11.22
- (C) 13
- (D) 9.22

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 6^2} = 9.22$ km.

Q128. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) DPEF
- (B) CODE
- (C) EQFG
- (D) EDOC

Answer: A

Explanation: Shift each letter forward by one: CODE → DPEF.

Q129. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q130. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 17
- (B) 14.04
- (C) 12.04
- (D) 1

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 8^2} = 12.04$ km.

Q131. A person walks 6 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 3
- (B) 9
- (C) 8.71
- (D) 6.71

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 3^2} = 6.71$ km.

Q132. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q133. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q134. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) MATH
- (C) NBUI
- (D) HTAM

Answer: C

Explanation: Shift each letter forward by one: MATH -> NBUI.

Q135. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) FQI
- (B) DOG
- (C) GOD
- (D) EPH

Answer: D

Explanation: Shift each letter forward by one: DOG -> EPH.

Q136. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q137. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q138. Find the next number: 19, 21, 23, 25, 27, ?

- (A) 31
- (B) 33
- (C) 27
- (D) 29

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $27 + 2 = 29$.

Q139. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q140. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q141. A person walks 6 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 15
- (B) 10.82
- (C) 12.82
- (D) 3

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 9^2} = 10.82$ km.

Q142. A person walks 5 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 11
- (B) 1
- (C) 9.81
- (D) 7.81

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 6^2} = 7.81$ km.

Q143. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q144. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q145. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q146. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) SBJM
- (C) LIAR
- (D) TCKN

Answer: B

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q147. Find the next number: 14, 19, 24, 29, 34, ?

- (A) 49
- (B) 34
- (C) 44
- (D) 39

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $34 + 5 = 39$.

Q148. Find the next number: 18, 20, 22, 24, 26, ?

- (A) 32
- (B) 30
- (C) 28
- (D) 26

Answer: C

Explanation: The sequence increases by 2 each time, so the next number is $26 + 2 = 28$.

Q149. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) CBOL
- (B) KNAB
- (C) DCPM
- (D) BANK

Answer: A

Explanation: Shift each letter forward by one: BANK → CBOL.

Q150. A person walks 10 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 18
- (B) 12.81
- (C) 14.81
- (D) 2

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 8^2} = 12.81$ km.

Q151. A person walks 8 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 3
- (B) 13
- (C) 9.43
- (D) 11.43

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 5^2} = 9.43$ km.

Q152. Find the next number: 10, 17, 24, 31, 38, ?

- (A) 38
- (B) 59
- (C) 45
- (D) 52

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $38 + 7 = 45$.

Q153. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) DPEF
- (B) EQFG
- (C) CODE
- (D) EDOC

Answer: A

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q154. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q155. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) DOG
- (B) GOD
- (C) EPH
- (D) FQI

Answer: C

Explanation: Shift each letter forward by one: DOG $\rightarrow$ EPH.

Q156. A person walks 8 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 9.43
- (B) 11.43
- (C) 13
- (D) 3

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 5^2} = 9.43$ km.

Q157. Find the next number: 16, 21, 26, 31, 36, ?

- (A) 51
- (B) 46
- (C) 41
- (D) 36

Answer: C

Explanation: The sequence increases by 5 each time, so the next number is $36 + 5 = 41$.

Q158. A person walks 4 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 10
- (B) 9.21
- (C) 7.21
- (D) 2

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 6^2} = 7.21$ km.

Q159. A person walks 8 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 11.43
- (B) 9.43
- (C) 3
- (D) 13

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 5^2} = 9.43$ km.

Q160. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) TAC
- (B) ECV
- (C) CAT
- (D) DBU

Answer: D

Explanation: Shift each letter forward by one: CAT $\rightarrow$ DBU.

Q161. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q162. Find the next number: 16, 23, 30, 37, 44, ?

- (A) 44
- (B) 65
- (C) 58
- (D) 51

Answer: D

Explanation: The sequence increases by 7 each time, so the next number is $44 + 7 = 51$.

Q163. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q164. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q165. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q166. A person walks 3 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 5.0
- (B) 7
- (C) 7.0
- (D) 1

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 4^2} = 5.0$ km.

Q167. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q168. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q169. Find the next number: 11, 14, 17, 20, 23, ?

- (A) 23
- (B) 32
- (C) 26
- (D) 29

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $23 + 3 = 26$.

Q170. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) TCKN
- (B) RAIL
- (C) LIAR
- (D) SBJM

Answer: D

Explanation: Shift each letter forward by one: RAIL $\rightarrow$ SBJM.

Q171. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q172. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q173. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q174. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q175. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) MATH
- (B) OCVJ
- (C) NBUI
- (D) HTAM

Answer: C

Explanation: Shift each letter forward by one: MATH → NBUI.

Q176. A person walks 3 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 10.54
- (B) 5
- (C) 8.54
- (D) 11

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 8^2} = 8.54$ km.

Q177. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) TAC
- (C) ECV
- (D) DBU

Answer: D

Explanation: Shift each letter forward by one: CAT → DBU.

Q178. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q179. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q180. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q181. Find the next number: 19, 25, 31, 37, 43, ?

- (A) 55
- (B) 43
- (C) 49
- (D) 61

Answer: C

Explanation: The sequence increases by 6 each time, so the next number is $43 + 6 = 49$.

Q182. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q183. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q184. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) MATH
- (B) HTAM
- (C) NBUI
- (D) OCVJ

Answer: C

Explanation: Shift each letter forward by one: MATH $\rightarrow$ NBUI.

Q185. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q186. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q187. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q188. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q189. A person walks 10 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 17
- (B) 12.21
- (C) 3
- (D) 14.21

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 7^2} = 12.21$ km.

Q190. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q191. A person walks 9 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 11.4
- (B) 13.4
- (C) 16
- (D) 2

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 7^2} = 11.4$ km.

Q192. Find the next number: 12, 19, 26, 33, 40, ?

- (A) 47
- (B) 40
- (C) 61
- (D) 54

Answer: A

Explanation: The sequence increases by 7 each time, so the next number is $40 + 7 = 47$.

Q193. A person walks 6 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 13
- (B) 11.22
- (C) 1
- (D) 9.22

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 7^2} = 9.22$ km.

Q194. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q195. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) DOG
- (B) EPH
- (C) GOD
- (D) FQI

Answer: B

Explanation: Shift each letter forward by one: DOG → EPH.

Q196. A person walks 6 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 0
- (B) 10.49
- (C) 12
- (D) 8.49

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 6^2} = 8.49$ km.

Q197. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q198. A person walks 9 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 9.49
- (B) 12
- (C) 6
- (D) 11.49

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 3^2} = 9.49$ km.

Q199. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) HTAM
- (C) MATH
- (D) OCVJ

Answer: A

Explanation: Shift each letter forward by one: MATH -> NBUI.

Q200. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q201. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q202. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) HTAM
- (C) OCVJ
- (D) MATH

Answer: A

Explanation: Shift each letter forward by one: MATH -> NBUI.

Q203. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q204. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q205. Find the next number: 7, 11, 15, 19, 23, ?

- (A) 35
- (B) 31
- (C) 23
- (D) 27

Answer: D

Explanation: The sequence increases by 4 each time, so the next number is $23 + 4 = 27$.

Q206. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q207. Find the next number: 7, 16, 25, 34, 43, ?

- (A) 52
- (B) 61
- (C) 43
- (D) 70

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $43 + 9 = 52$.

Q208. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q209. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q210. A person walks 5 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 5.83
- (B) 8
- (C) 7.83
- (D) 2

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 3^2} = 5.83$ km.

Q211. Find the next number: 9, 17, 25, 33, 41, ?

- (A) 49
- (B) 57
- (C) 65
- (D) 41

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $41 + 8 = 49$.

Q212. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) FQI
- (B) DOG
- (C) EPH
- (D) GOD

Answer: C

Explanation: Shift each letter forward by one: DOG → EPH.

Q213. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q214. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) TCKN
- (B) LIAR
- (C) RAIL
- (D) SBJM

Answer: D

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q215. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q216. A person walks 7 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 10.06
- (B) 8.06
- (C) 11
- (D) 3

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 4^2} = 8.06$ km.

Q217. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q218. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) BANK
- (B) CBOL
- (C) KNAB
- (D) DCPM

Answer: B

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q219. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q220. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q221. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q222. Find the next number: 11, 20, 29, 38, 47, ?

- (A) 56
- (B) 74
- (C) 47
- (D) 65

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $47 + 9 = 56$.

Q223. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q224. Find the next number: 5, 8, 11, 14, 17, ?

- (A) 17
- (B) 26
- (C) 23
- (D) 20

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $17 + 3 = 20$.

Q225. Find the next number: 4, 12, 20, 28, 36, ?

- (A) 44
- (B) 52
- (C) 36
- (D) 60

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $36 + 8 = 44$.

Q226. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) MATH
- (C) HTAM
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q227. Find the next number: 16, 18, 20, 22, 24, ?

- (A) 30
- (B) 28
- (C) 24
- (D) 26

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $24 + 2 = 26$.

Q228. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) OCVJ
- (C) MATH
- (D) HTAM

Answer: A

Explanation: Shift each letter forward by one: MATH → NBUI.

Q229. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q230. A person walks 6 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 13.66
- (B) 16
- (C) 4
- (D) 11.66

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 10^2} = 11.66$ km.

Q231. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) EPH
- (C) DOG
- (D) FQI

Answer: B

Explanation: Shift each letter forward by one: DOG → EPH.

Q232. A person walks 3 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 7.0
- (B) 1
- (C) 5.0
- (D) 7

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 4^2} = 5.0$ km.

Q233. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q234. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q235. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q236. Find the next number: 9, 12, 15, 18, 21, ?

- (A) 27
- (B) 30
- (C) 21
- (D) 24

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $21 + 3 = 24$.

Q237. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q238. Find the next number: 3, 8, 13, 18, 23, ?

- (A) 38
- (B) 28
- (C) 33
- (D) 23

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $23 + 5 = 28$.

Q239. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q240. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q241. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q242. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q243. Find the next number: 10, 15, 20, 25, 30, ?

- (A) 35
- (B) 40
- (C) 45
- (D) 30

Answer: A

Explanation: The sequence increases by 5 each time, so the next number is $30 + 5 = 35$.

Q244. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q245. Find the next number: 7, 16, 25, 34, 43, ?

- (A) 70
- (B) 52
- (C) 61
- (D) 43

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $43 + 9 = 52$.

Q246. Find the next number: 3, 12, 21, 30, 39, ?

- (A) 66
- (B) 39
- (C) 57
- (D) 48

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $39 + 9 = 48$.

Q247. A person walks 3 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 12
- (B) 9.49
- (C) 11.49
- (D) 6

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 9^2} = 9.49$ km.

Q248. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q249. Find the next number: 13, 15, 17, 19, 21, ?

- (A) 25
- (B) 23
- (C) 21
- (D) 27

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $21 + 2 = 23$.

Q250. A person walks 4 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 10.06
- (B) 11
- (C) 8.06
- (D) 3

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 7^2} = 8.06$ km.

Q251. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) DOG
- (B) FQI
- (C) EPH
- (D) GOD

Answer: C

Explanation: Shift each letter forward by one: DOG → EPH.

Q252. A person walks 7 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 13
- (B) 1
- (C) 11.22
- (D) 9.22

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 6^2} = 9.22$ km.

Q253. A person walks 6 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 11
- (C) 9.81
- (D) 7.81

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 5^2} = 7.81$ km.

Q254. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) LIAR
- (B) SBJM
- (C) RAIL
- (D) TCKN

Answer: B

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q255. Find the next number: 18, 26, 34, 42, 50, ?

- (A) 50
- (B) 74
- (C) 66
- (D) 58

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $50 + 8 = 58$.

Q256. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q257. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q258. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) HTAM
- (B) OCVJ
- (C) MATH
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q259. A person walks 8 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 10.54
- (B) 8.54
- (C) 11
- (D) 5

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 3^2} = 8.54$ km.

Q260. Find the next number: 13, 18, 23, 28, 33, ?

- (A) 33
- (B) 38
- (C) 43
- (D) 48

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $33 + 5 = 38$.

Q261. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) CBOL
- (C) BANK
- (D) DCPM

Answer: B

Explanation: Shift each letter forward by one: BANK → CBOL.

Q262. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) DPEF
- (B) EQFG
- (C) EDOC
- (D) CODE

Answer: A

Explanation: Shift each letter forward by one: CODE → DPEF.

Q263. A person walks 4 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 3
- (B) 10.06
- (C) 8.06
- (D) 11

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 7^2} = 8.06$ km.

Q264. Find the next number: 8, 14, 20, 26, 32, ?

- (A) 32
- (B) 38
- (C) 44
- (D) 50

Answer: B

Explanation: The sequence increases by 6 each time, so the next number is $32 + 6 = 38$.

Q265. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q266. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q267. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q268. A person walks 6 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 10.49
- (B) 8.49
- (C) 12
- (D) 0

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 6^2} = 8.49$ km.

Q269. A person walks 5 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 7.81
- (B) 9.81
- (C) 1
- (D) 11

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 6^2} = 7.81$ km.

Q270. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q271. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q272. A person walks 10 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 14.14
- (B) 0
- (C) 20
- (D) 16.14

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 10^2} = 14.14$ km.

Q273. Find the next number: 3, 12, 21, 30, 39, ?

- (A) 48
- (B) 66
- (C) 39
- (D) 57

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $39 + 9 = 48$.

Q274. A person walks 6 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 8.71
- (B) 6.71
- (C) 3
- (D) 9

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 3^2} = 6.71$ km.

Q275. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) CBOL
- (C) BANK
- (D) DCPM

Answer: B

Explanation: Shift each letter forward by one: BANK → CBOL.

Q276. A person walks 6 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 12.82
- (B) 3
- (C) 10.82
- (D) 15

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 9^2} = 10.82$ km.

Q277. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q278. Find the next number: 14, 17, 20, 23, 26, ?

- (A) 32
- (B) 26
- (C) 29
- (D) 35

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $26 + 3 = 29$.

Q279. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q280. Find the next number: 4, 8, 12, 16, 20, ?

- (A) 28
- (B) 32
- (C) 20
- (D) 24

Answer: D

Explanation: The sequence increases by 4 each time, so the next number is $20 + 4 = 24$.

Q281. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q282. A person walks 3 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 5
- (B) 11
- (C) 8.54
- (D) 10.54

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 8^2} = 8.54$ km.

Q283. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q284. Find the next number: 13, 15, 17, 19, 21, ?

- (A) 25
- (B) 23
- (C) 27
- (D) 21

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $21 + 2 = 23$.

Q285. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) DBU
- (B) TAC
- (C) CAT
- (D) ECV

Answer: A

Explanation: Shift each letter forward by one: CAT → DBU.

Q286. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) TAC
- (C) ECV
- (D) DBU

Answer: D

Explanation: Shift each letter forward by one: CAT → DBU.

Q287. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) TAC
- (B) CAT
- (C) ECV
- (D) DBU

Answer: D

Explanation: Shift each letter forward by one: CAT → DBU.

Q288. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) CBOL
- (B) DCPM
- (C) BANK
- (D) KNAB

Answer: A

Explanation: Shift each letter forward by one: BANK → CBOL.

Q289. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q290. A person walks 5 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 10.3
- (B) 4
- (C) 12.3
- (D) 14

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 9^2} = 10.3$ km.

Q291. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q292. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q293. Find the next number: 10, 19, 28, 37, 46, ?

- (A) 55
- (B) 64
- (C) 73
- (D) 46

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $46 + 9 = 55$.

Q294. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q295. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q296. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) NBUI
- (C) MATH
- (D) HTAM

Answer: B

Explanation: Shift each letter forward by one: MATH -> NBUI.

Q297. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q298. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) CBOL
- (B) BANK
- (C) DCPM
- (D) KNAB

Answer: A

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q299. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q300. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q301. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) HTAM
- (C) OCVJ
- (D) MATH

Answer: A

Explanation: Shift each letter forward by one: MATH → NBUI.

Q302. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) CBOL
- (C) BANK
- (D) DCPM

Answer: B

Explanation: Shift each letter forward by one: BANK → CBOL.

Q303. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) TCKN
- (B) RAIL
- (C) LIAR
- (D) SBJM

Answer: D

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q304. A person walks 4 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 12.77
- (B) 6
- (C) 14
- (D) 10.77

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 10^2} = 10.77$ km.

Q305. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q306. Find the next number: 19, 25, 31, 37, 43, ?

- (A) 61
- (B) 55
- (C) 43
- (D) 49

Answer: D

Explanation: The sequence increases by 6 each time, so the next number is $43 + 6 = 49$.

Q307. A person walks 7 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 4
- (B) 10
- (C) 9.62
- (D) 7.62

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 3^2} = 7.62$ km.

Q308. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) EPH
- (C) DOG
- (D) FQI

Answer: B

Explanation: Shift each letter forward by one: DOG → EPH.

Q309. A person walks 6 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 10.49
- (B) 0
- (C) 12
- (D) 8.49

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 6^2} = 8.49$ km.

Q310. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) HTAM
- (C) MATH
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q311. Find the next number: 4, 6, 8, 10, 12, ?

- (A) 18
- (B) 12
- (C) 16
- (D) 14

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $12 + 2 = 14$.

Q312. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) MATH
- (C) NBUI
- (D) HTAM

Answer: C

Explanation: Shift each letter forward by one: MATH → NBUI.

Q313. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q314. Find the next number: 10, 19, 28, 37, 46, ?

- (A) 55
- (B) 64
- (C) 73
- (D) 46

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $46 + 9 = 55$.

Q315. A person walks 10 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 12.77
- (B) 10.77
- (C) 14
- (D) 6

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 4^2} = 10.77$ km.

Q316. Find the next number: 4, 7, 10, 13, 16, ?

- (A) 16
- (B) 25
- (C) 22
- (D) 19

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $16 + 3 = 19$.

Q317. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) DBU
- (B) ECV
- (C) TAC
- (D) CAT

Answer: A

Explanation: Shift each letter forward by one: CAT → DBU.

Q318. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q319. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q320. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q321. A person walks 4 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 7.0
- (C) 5.0
- (D) 7

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 3^2} = 5.0$ km.

Q322. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q323. Find the next number: 3, 12, 21, 30, 39, ?

- (A) 48
- (B) 39
- (C) 66
- (D) 57

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $39 + 9 = 48$.

Q324. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q325. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q326. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q327. A person walks 5 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 9.07
- (B) 0
- (C) 7.07
- (D) 10

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 5^2} = 7.07$ km.

Q328. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q329. A person walks 5 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 3
- (B) 13
- (C) 11.43
- (D) 9.43

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 8^2} = 9.43$ km.

Q330. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q331. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q332. A person walks 3 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 0
- (B) 6
- (C) 4.24
- (D) 6.24

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 3^2} = 4.24$ km.

Q333. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q334. Find the next number: 3, 6, 9, 12, 15, ?

- (A) 21
- (B) 24
- (C) 15
- (D) 18

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $15 + 3 = 18$.

Q335. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) CODE
- (C) EDOC
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q336. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q337. Find the next number: 19, 27, 35, 43, 51, ?

- (A) 67
- (B) 75
- (C) 59
- (D) 51

Answer: C

Explanation: The sequence increases by 8 each time, so the next number is $51 + 8 = 59$.

Q338. Find the next number: 17, 19, 21, 23, 25, ?

- (A) 25
- (B) 29
- (C) 31
- (D) 27

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $25 + 2 = 27$.

Q339. A person walks 7 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 14.21
- (B) 3
- (C) 12.21
- (D) 17

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 10^2} = 12.21$ km.

Q340. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) TCKN
- (C) SBJM
- (D) LIAR

Answer: C

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q341. Find the next number: 4, 9, 14, 19, 24, ?

- (A) 34
- (B) 39
- (C) 29
- (D) 24

Answer: C

Explanation: The sequence increases by 5 each time, so the next number is $24 + 5 = 29$.

Q342. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) ECV
- (C) DBU
- (D) TAC

Answer: C

Explanation: Shift each letter forward by one: CAT → DBU.

Q343. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q344. Find the next number: 3, 12, 21, 30, 39, ?

- (A) 57
- (B) 66
- (C) 48
- (D) 39

Answer: C

Explanation: The sequence increases by 9 each time, so the next number is $39 + 9 = 48$.

Q345. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q346. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) EPH
- (C) DOG
- (D) FQI

Answer: B

Explanation: Shift each letter forward by one: DOG → EPH.

Q347. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) CODE
- (C) DPEF
- (D) EDOC

Answer: C

Explanation: Shift each letter forward by one: CODE → DPEF.

Q348. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q349. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q350. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) DCPM
- (B) CBOL
- (C) BANK
- (D) KNAB

Answer: B

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q351. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q352. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) DOG
- (B) EPH
- (C) GOD
- (D) FQI

Answer: B

Explanation: Shift each letter forward by one: DOG -> EPH.

Q353. Find the next number: 9, 11, 13, 15, 17, ?

- (A) 19
- (B) 21
- (C) 17
- (D) 23

Answer: A

Explanation: The sequence increases by 2 each time, so the next number is $17 + 2 = 19$.

Q354. Find the next number: 4, 9, 14, 19, 24, ?

- (A) 34
- (B) 24
- (C) 29
- (D) 39

Answer: C

Explanation: The sequence increases by 5 each time, so the next number is $24 + 5 = 29$.

Q355. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q356. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q357. A person walks 5 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 5
- (B) 11.18
- (C) 13.18
- (D) 15

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 10^2} = 11.18$ km.

Q358. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q359. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) CODE
- (B) DPEF
- (C) EDOC
- (D) EQFG

Answer: B

Explanation: Shift each letter forward by one: CODE → DPEF.

Q360. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) MATH
- (C) HTAM
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q361. Find the next number: 20, 24, 28, 32, 36, ?

- (A) 36
- (B) 48
- (C) 44
- (D) 40

Answer: D

Explanation: The sequence increases by 4 each time, so the next number is $36 + 4 = 40$.

Q362. Find the next number: 9, 18, 27, 36, 45, ?

- (A) 72
- (B) 63
- (C) 45
- (D) 54

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $45 + 9 = 54$.

Q363. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q364. Find the next number: 15, 21, 27, 33, 39, ?

- (A) 57
- (B) 45
- (C) 51
- (D) 39

Answer: B

Explanation: The sequence increases by 6 each time, so the next number is $39 + 6 = 45$.

Q365. A person walks 3 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 10.44
- (B) 12.44
- (C) 7
- (D) 13

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 10^2} = 10.44$ km.

Q366. A person walks 5 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 2
- (B) 7.83
- (C) 5.83
- (D) 8

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 3^2} = 5.83$ km.

Q367. Find the next number: 17, 23, 29, 35, 41, ?

- (A) 47
- (B) 41
- (C) 53
- (D) 59

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $41 + 6 = 47$.

Q368. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q369. Find the next number: 3, 6, 9, 12, 15, ?

- (A) 15
- (B) 18
- (C) 21
- (D) 24

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $15 + 3 = 18$.

Q370. A person walks 7 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 3
- (B) 8.06
- (C) 10.06
- (D) 11

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 4^2} = 8.06$ km.

Q371. Find the next number: 7, 10, 13, 16, 19, ?

- (A) 19
- (B) 28
- (C) 22
- (D) 25

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $19 + 3 = 22$.

Q372. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) TCKN
- (B) SBJM
- (C) LIAR
- (D) RAIL

Answer: B

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q373. Find the next number: 17, 26, 35, 44, 53, ?

- (A) 80
- (B) 53
- (C) 62
- (D) 71

Answer: C

Explanation: The sequence increases by 9 each time, so the next number is $53 + 9 = 62$.

Q374. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) FQI
- (C) DOG
- (D) EPH

Answer: D

Explanation: Shift each letter forward by one: DOG → EPH.

Q375. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) LIAR
- (B) TCKN
- (C) RAIL
- (D) SBJM

Answer: D

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q376. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q377. A person walks 6 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 16
- (B) 13.66
- (C) 11.66
- (D) 4

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 10^2} = 11.66$ km.

Q378. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) HTAM
- (B) MATH
- (C) OCVJ
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q379. A person walks 8 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 10.63
- (B) 15
- (C) 12.63
- (D) 1

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 7^2} = 10.63$ km.

Q380. Find the next number: 20, 29, 38, 47, 56, ?

- (A) 56
- (B) 83
- (C) 65
- (D) 74

Answer: C

Explanation: The sequence increases by 9 each time, so the next number is $56 + 9 = 65$.

Q381. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) EQFG
- (C) DPEF
- (D) CODE

Answer: C

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q382. Find the next number: 18, 25, 32, 39, 46, ?

- (A) 60
- (B) 46
- (C) 53
- (D) 67

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $46 + 7 = 53$.

Q383. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q384. Find the next number: 9, 14, 19, 24, 29, ?

- (A) 29
- (B) 34
- (C) 44
- (D) 39

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $29 + 5 = 34$.

Q385. A person walks 10 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 13.18
- (B) 5
- (C) 11.18
- (D) 15

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 5^2} = 11.18$ km.

Q386. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) HTAM
- (C) MATH
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q387. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q388. Find the next number: 4, 7, 10, 13, 16, ?

- (A) 19
- (B) 25
- (C) 22
- (D) 16

Answer: A

Explanation: The sequence increases by 3 each time, so the next number is $16 + 3 = 19$.

Q389. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q390. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) ECV
- (C) DBU
- (D) TAC

Answer: C

Explanation: Shift each letter forward by one: CAT → DBU.

Q391. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q392. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q393. Find the next number: 5, 10, 15, 20, 25, ?

- (A) 35
- (B) 30
- (C) 25
- (D) 40

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $25 + 5 = 30$.

Q394. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) DCPM
- (C) BANK
- (D) CBOL

Answer: D

Explanation: Shift each letter forward by one: BANK $\rightarrow$ CBOL.

Q395. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) DCPM
- (B) CBOL
- (C) BANK
- (D) KNAB

Answer: B

Explanation: Shift each letter forward by one: BANK $\rightarrow$ CBOL.

Q396. A person walks 7 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 14.21
- (B) 3
- (C) 17
- (D) 12.21

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 10^2} = 12.21$ km.

Q397. A person walks 8 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 8.94
- (B) 12
- (C) 10.94
- (D) 4

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 4^2} = 8.94$ km.

Q398. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q399. Find the next number: 8, 13, 18, 23, 28, ?

- (A) 28
- (B) 43
- (C) 38
- (D) 33

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $28 + 5 = 33$.

Q400. Find the next number: 18, 27, 36, 45, 54, ?

- (A) 63
- (B) 81
- (C) 54
- (D) 72

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $54 + 9 = 63$.

Q401. A person walks 3 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 6
- (B) 12
- (C) 11.49
- (D) 9.49

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 9^2} = 9.49$ km.

Q402. Find the next number: 3, 12, 21, 30, 39, ?

- (A) 39
- (B) 57
- (C) 66
- (D) 48

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $39 + 9 = 48$.

Q403. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q404. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q405. A person walks 10 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 19
- (B) 1
- (C) 13.45
- (D) 15.45

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 9^2} = 13.45$ km.

Q406. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q407. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q408. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q409. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) SBJM
- (C) LIAR
- (D) TCKN

Answer: B

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q410. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) DBU
- (C) TAC
- (D) ECV

Answer: B

Explanation: Shift each letter forward by one: CAT -> DBU.

Q411. A person walks 8 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 0
- (B) 16
- (C) 13.31
- (D) 11.31

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 8^2} = 11.31$ km.

Q412. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q413. A person walks 10 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 13.66
- (B) 11.66
- (C) 16
- (D) 4

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 6^2} = 11.66$ km.

Q414. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q415. A person walks 10 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 16.14
- (B) 0
- (C) 14.14
- (D) 20

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 10^2} = 14.14$ km.

Q416. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q417. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q418. A person walks 10 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 3
- (B) 12.21
- (C) 14.21
- (D) 17

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 7^2} = 12.21$ km.

Q419. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q420. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q421. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) HTAM
- (B) MATH
- (C) OCVJ
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q422. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) DPEF
- (B) CODE
- (C) EQFG
- (D) EDOC

Answer: A

Explanation: Shift each letter forward by one: CODE → DPEF.

Q423. A person walks 7 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 13.4
- (B) 11.4
- (C) 16
- (D) 2

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 9^2} = 11.4$ km.

Q424. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q425. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q426. Find the next number: 5, 8, 11, 14, 17, ?

- (A) 26
- (B) 23
- (C) 17
- (D) 20

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $17 + 3 = 20$.

Q427. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q428. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q429. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q430. A person walks 4 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 4
- (B) 8.94
- (C) 12
- (D) 10.94

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 8^2} = 8.94$ km.

Q431. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q432. A person walks 5 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 6.4
- (C) 9
- (D) 8.4

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 4^2} = 6.4$ km.

Q433. A person walks 8 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 15
- (B) 10.63
- (C) 12.63
- (D) 1

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 7^2} = 10.63$ km.

Q434. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) CODE
- (C) EQFG
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE → DPEF.

Q435. Find the next number: 13, 22, 31, 40, 49, ?

- (A) 76
- (B) 49
- (C) 67
- (D) 58

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $49 + 9 = 58$.

Q436. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q437. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q438. A person walks 5 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 8
- (B) 2
- (C) 7.83
- (D) 5.83

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 3^2} = 5.83$ km.

Q439. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q440. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q441. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q442. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q443. A person walks 10 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 12.77
- (B) 10.77
- (C) 14
- (D) 6

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 4^2} = 10.77$ km.

Q444. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q445. Find the next number: 20, 27, 34, 41, 48, ?

- (A) 48
- (B) 55
- (C) 62
- (D) 69

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $48 + 7 = 55$.

Q446. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q447. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q448. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q449. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q450. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) HTAM
- (B) MATH
- (C) OCVJ
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH $\rightarrow$ NBUI.

Q451. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q452. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q453. Find the next number: 7, 10, 13, 16, 19, ?

- (A) 22
- (B) 28
- (C) 25
- (D) 19

Answer: A

Explanation: The sequence increases by 3 each time, so the next number is $19 + 3 = 22$.

Q454. A person walks 8 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 0
- (B) 16
- (C) 11.31
- (D) 13.31

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 8^2} = 11.31$ km.

Q455. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q456. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q457. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) CAT
- (C) DBU
- (D) TAC

Answer: C

Explanation: Shift each letter forward by one: CAT -> DBU.

Q458. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) TAC
- (C) DBU
- (D) CAT

Answer: C

Explanation: Shift each letter forward by one: CAT -> DBU.

Q459. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q460. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) CODE
- (C) EDOC
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE -> DPEF.

Q461. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q462. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) EPH
- (B) FQI
- (C) GOD
- (D) DOG

Answer: A

Explanation: Shift each letter forward by one: DOG -> EPH.

Q463. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q464. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) OCVJ
- (C) MATH
- (D) HTAM

Answer: A

Explanation: Shift each letter forward by one: MATH → NBUI.

Q465. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q466. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) MATH
- (C) HTAM
- (D) OCVJ

Answer: A

Explanation: Shift each letter forward by one: MATH → NBUI.

Q467. A person walks 10 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 5
- (B) 15
- (C) 13.18
- (D) 11.18

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 5^2} = 11.18$ km.

Q468. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q469. A person walks 6 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 10.0
- (B) 2
- (C) 12.0
- (D) 14

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 8^2} = 10.0$ km.

Q470. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q471. A person walks 7 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 12.63
- (B) 10.63
- (C) 1
- (D) 15

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 8^2} = 10.63$ km.

Q472. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q473. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q474. Find the next number: 8, 10, 12, 14, 16, ?

- (A) 20
- (B) 18
- (C) 22
- (D) 16

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $16 + 2 = 18$.

Q475. Find the next number: 2, 7, 12, 17, 22, ?

- (A) 32
- (B) 37
- (C) 27
- (D) 22

Answer: C

Explanation: The sequence increases by 5 each time, so the next number is $22 + 5 = 27$.

Q476. Find the next number: 5, 13, 21, 29, 37, ?

- (A) 37
- (B) 53
- (C) 45
- (D) 61

Answer: C

Explanation: The sequence increases by 8 each time, so the next number is $37 + 8 = 45$.

Q477. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) TCKN
- (B) SBJM
- (C) LIAR
- (D) RAIL

Answer: B

Explanation: Shift each letter forward by one: RAIL $\rightarrow$ SBJM.

Q478. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) CODE
- (C) DPEF
- (D) EDOC

Answer: C

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q479. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q480. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) HTAM
- (B) MATH
- (C) OCVJ
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH $\rightarrow$ NBUI.

Q481. A person walks 7 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 14.21
- (B) 3
- (C) 12.21
- (D) 17

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 10^2} = 12.21$ km.

Q482. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q483. A person walks 4 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 13
- (B) 5
- (C) 9.85
- (D) 11.85

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 9^2} = 9.85$ km.

Q484. Find the next number: 20, 29, 38, 47, 56, ?

- (A) 74
- (B) 65
- (C) 56
- (D) 83

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $56 + 9 = 65$.

Q485. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q486. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q487. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) BANK
- (B) DCPM
- (C) KNAB
- (D) CBOL

Answer: D

Explanation: Shift each letter forward by one: BANK → CBOL.

Q488. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) CODE
- (C) EQFG
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE → DPEF.

Q489. A person walks 10 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 0
- (B) 16.14
- (C) 14.14
- (D) 20

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 10^2} = 14.14$ km.

Q490. A person walks 4 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 6.4
- (C) 8.4
- (D) 9

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 5^2} = 6.4$ km.

Q491. A person walks 6 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 4
- (B) 13.66
- (C) 16
- (D) 11.66

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 10^2} = 11.66$ km.

Q492. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) CODE
- (B) EQFG
- (C) EDOC
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE → DPEF.

Q493. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q494. A person walks 7 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 2
- (B) 10.6
- (C) 12
- (D) 8.6

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 5^2} = 8.6$ km.

Q495. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) OCVJ
- (C) HTAM
- (D) MATH

Answer: A

Explanation: Shift each letter forward by one: MATH → NBUI.

Q496. A person walks 3 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 10
- (B) 7.62
- (C) 9.62
- (D) 4

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 7^2} = 7.62$ km.

Q497. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) CODE
- (C) EQFG
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE → DPEF.

Q498. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q499. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) BANK
- (B) DCPM
- (C) KNAB
- (D) CBOL

Answer: D

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q500. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) EPH
- (B) FQI
- (C) GOD
- (D) DOG

Answer: A

Explanation: Shift each letter forward by one: DOG -> EPH.

Quantitative Aptitude

Q501. Find the simple interest on Rs. 1500 at 8% per annum for 3 years.

- (A) 510
- (B) 210
- (C) 360
- (D) 120

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{1500 \times 8 \times 3}{100} = \text{Rs. } 360$.

Q502. An item costs Rs. 320. At a profit of 15%, what is the selling price?

- (A) 335
- (B) 350
- (C) 272.0
- (D) 368

Answer: D

Explanation: Selling price = $320 \times (1 + \frac{15}{100}) = \text{Rs. } 368$.

Q503. Find the simple interest on Rs. 3000 at 6% per annum for 3 years.

- (A) 180
- (B) 540
- (C) 240
- (D) 840

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 6 \times 3}{100} = \text{Rs. } 540$.

Q504. A vehicle travels at 60 km/h for 3.5 hours. What distance does it cover?

- (A) 17.14
- (B) 63.5
- (C) 240.0
- (D) 210

Answer: D

Explanation: Distance = speed x time = $60 \times 3.5 = 210 \text{ km}$.

Q505. A can finish a work in 6 days and B in 18 days. In how many days can they finish it together?

- (A) 12
- (B) 4.5
- (C) 9.0
- (D) 12.0

Answer: B

Explanation: Combined rate = $\frac{1}{6} + \frac{1}{18} = \frac{(24)}{108}$; time = $\frac{108}{24} = 4.5$ days.

Q506. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

- (A) 43.5
- (B) 140
- (C) 11.43
- (D) 160.0

Answer: B

Explanation: Distance = speed x time = $40 \times 3.5 = 140$ km.

Q507. A vehicle travels at 40 km/h for 2.5 hours. What distance does it cover?

- (A) 42.5
- (B) 16.0
- (C) 100
- (D) 120.0

Answer: C

Explanation: Distance = speed x time = $40 \times 2.5 = 100$ km.

Q508. What is 10% of 360?

- (A) 18.0
- (B) 36
- (C) 72.0
- (D) 54.0

Answer: B

Explanation: 10% of 360 = $\frac{(10)}{100} \times 360 = 36$.

Q509. An item costs Rs. 600. At a profit of 15%, what is the selling price?

- (A) 615
- (B) 630
- (C) 510.0
- (D) 690

Answer: D

Explanation: Selling price = $600 \times (1 + \frac{15}{100}) = \text{Rs. } 690$.

Q510. Find the average of 59, 53, 42, 66, 28.

- (A) 47.6
- (B) 49.6
- (C) 51.6
- (D) 62.0

Answer: B

Explanation: Average = sum / count = $\frac{248}{5} = 49.6$.

Q511. What is 50% of 180?

- (A) 99.0
- (B) 81.0
- (C) 108.0
- (D) 90

Answer: D

Explanation: 50% of 180 = $(50/100) \times 180 = 90$.

Q512. An item costs Rs. 200. At a profit of 15%, what is the selling price?

- (A) 215
- (B) 230
- (C) 170.0
- (D) 772

Answer: B

Explanation: Selling price = $200 \times (1 + 15/100) = \text{Rs. } 230$.

Q513. A vehicle travels at 72 km/h for 4 hours. What distance does it cover?

- (A) 76
- (B) 288
- (C) 324.0
- (D) 18.0

Answer: B

Explanation: Distance = speed $\times$ time = $72 \times 4 = 288$ km.

Q514. A can finish a work in 6 days and B in 20 days. In how many days can they finish it together?

- (A) 14
- (B) 13.0
- (C) 8.57
- (D) 4.62

Answer: D

Explanation: Combined rate = $1/6 + 1/20 = (26)/120$; time = $120/26 = 4.62$ days.

Q515. Find the simple interest on Rs. 3000 at 6% per annum for 4 years.

- (A) 1020
- (B) 720
- (C) 180
- (D) 420

Answer: B

Explanation: SI = $PRT/100 = 3000 \times 6 \times 4/100 = \text{Rs. } 720$.

Q516. Two quantities are in the ratio 5:7. If their total is 192, what is the first quantity?

- (A) 192
- (B) 112
- (C) 80
- (D) 32

Answer: C

Explanation: Total parts = 12. One part = $192/12 = 16$; first quantity = $5 \times 16 = 80$.

Q517. Two quantities are in the ratio 3:4. If their total is 56, what is the first quantity?

- (A) 56
- (B) 8
- (C) 24
- (D) 32

Answer: C

Explanation: Total parts = 7. One part = $56/7 = 8$; first quantity = $3 \times 8 = 24$.

Q518. An item costs Rs. 240. At a profit of 15%, what is the selling price?

- (A) 270
- (B) 204.0
- (C) 255
- (D) 276

Answer: D

Explanation: Selling price = $240 \times (1 + 15/100) = \text{Rs. } 276$.

Q519. A can finish a work in 15 days and B in 12 days. In how many days can they finish it together?

- (A) 13.5
- (B) 6.67
- (C) 180.0
- (D) 3

Answer: B

Explanation: Combined rate = $1/15 + 1/12 = (27)/180$; time = $180/27 = 6.67$ days.

Q520. What is 75% of 240?

- (A) 180
- (B) 192.0
- (C) 204.0
- (D) 168.0

Answer: A

Explanation: 75% of 240 = $(75/100) \times 240 = 180$.

Q521. Find the average of 43, 62, 65, 53, 44.

- (A) 53.4
- (B) 55.4
- (C) 51.4
- (D) 66.8

Answer: A

Explanation: Average = sum / count = $267/5 = 53.4$.

Q522. A vehicle travels at 36 km/h for 3.5 hours. What distance does it cover?

- (A) 39.5
- (B) 10.29
- (C) 144.0
- (D) 126

Answer: D

Explanation: Distance = speed $\times$ time = $36 \times 3.5 = 126$ km.

Q523. Find the simple interest on Rs. 1000 at 6% per annum for 3 years.

- (A) 280
- (B) 60
- (C) 80
- (D) 180

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 6 \times 3}{100} = \text{Rs. } 180.$

Q524. A vehicle travels at 36 km/h for 4 hours. What distance does it cover?

- (A) 144
- (B) 9.0
- (C) 162.0
- (D) 40

Answer: A

Explanation: Distance = speed x time = $36 \times 4 = 144 \text{ km}.$

Q525. A vehicle travels at 72 km/h for 2.5 hours. What distance does it cover?

- (A) 216.0
- (B) 74.5
- (C) 28.8
- (D) 180

Answer: D

Explanation: Distance = speed x time = $72 \times 2.5 = 180 \text{ km}.$

Q526. An item costs Rs. 250. At a profit of 25%, what is the selling price?

- (A) 312.5
- (B) 300
- (C) 187.5
- (D) 275

Answer: A

Explanation: Selling price = $250 \times (1 + \frac{25}{100}) = \text{Rs. } 312.5.$

Q527. A can finish a work in 10 days and B in 20 days. In how many days can they finish it together?

- (A) 15.0
- (B) 20.0
- (C) 10
- (D) 6.67

Answer: D

Explanation: Combined rate = $\frac{1}{10} + \frac{1}{20} = \frac{30}{200}$; time = $\frac{200}{30} = 6.67 \text{ days}.$

Q528. Find the average of 17, 44, 66, 34, 52.

- (A) 42.6
- (B) 40.6
- (C) 44.6
- (D) 53.2

Answer: A

Explanation: Average = sum / count = $\frac{213}{5} = 42.6.$

Q529. Find the average of 45, 60, 10, 79, 65.

- (A) 49.8
- (B) 64.8
- (C) 53.8
- (D) 51.8

Answer: D

Explanation: Average = sum / count = $259/5 = 51.8$.

Q530. A can finish a work in 15 days and B in 12 days. In how many days can they finish it together?

- (A) 180.0
- (B) 13.5
- (C) 6.67
- (D) 3

Answer: C

Explanation: Combined rate = $1/15 + 1/12 = (27)/180$; time = $180/27 = 6.67$ days.

Q531. Two quantities are in the ratio 2:3. If their total is 55, what is the first quantity?

- (A) 55
- (B) 22
- (C) 11
- (D) 33

Answer: B

Explanation: Total parts = 5. One part = $55/5 = 11$; first quantity = $2 \times 11 = 22$.

Q532. Two quantities are in the ratio 4:5. If their total is 144, what is the first quantity?

- (A) 16
- (B) 144
- (C) 80
- (D) 64

Answer: D

Explanation: Total parts = 9. One part = $144/9 = 16$; first quantity = $4 \times 16 = 64$.

Q533. Two quantities are in the ratio 7:9. If their total is 272, what is the first quantity?

- (A) 272
- (B) 153
- (C) 119
- (D) 34

Answer: C

Explanation: Total parts = 16. One part = $272/16 = 17$; first quantity = $7 \times 17 = 119$.

Q534. A vehicle travels at 50 km/h for 3.5 hours. What distance does it cover?

- (A) 14.29
- (B) 200.0
- (C) 53.5
- (D) 175

Answer: D

Explanation: Distance = speed x time = $50 \times 3.5 = 175$ km.

Q535. An item costs Rs. 400. At a profit of 20%, what is the selling price?

- (A) 480
- (B) 420
- (C) 320.0
- (D) 440

Answer: A

Explanation: Selling price = $400 \times (1 + 20/100) = \text{Rs. } 480$.

Q536. What is 30% of 360?

- (A) 90.0
- (B) 144.0
- (C) 126.0
- (D) 108

Answer: D

Explanation: 30% of 360 = $(30/100) \times 360 = 108$.

Q537. What is 40% of 800?

- (A) 280.0
- (B) 320
- (C) 360.0
- (D) 400.0

Answer: B

Explanation: 40% of 800 = $(40/100) \times 800 = 320$.

Q538. Find the simple interest on Rs. 5000 at 10% per annum for 3 years.

- (A) 1500
- (B) 1000
- (C) 2000
- (D) 500

Answer: A

Explanation: $SI = \frac{PRT}{100} = 5000 \times 10 \times 3/100 = \text{Rs. } 1500$.

Q539. A vehicle travels at 50 km/h for 2.5 hours. What distance does it cover?

- (A) 52.5
- (B) 125
- (C) 150.0
- (D) 20.0

Answer: B

Explanation: Distance = speed $\times$ time = $50 \times 2.5 = 125 \text{ km}$.

Q540. A vehicle travels at 36 km/h for 2.5 hours. What distance does it cover?

- (A) 90
- (B) 108.0
- (C) 14.4
- (D) 38.5

Answer: A

Explanation: Distance = speed $\times$ time = $36 \times 2.5 = 90 \text{ km}$.

Q541. A vehicle travels at 40 km/h for 2 hours. What distance does it cover?

- (A) 20.0
- (B) 42
- (C) 100.0
- (D) 80

Answer: D

Explanation: Distance = speed x time = $40 \times 2 = 80$ km.

Q542. Find the average of 35, 48, 50, 36, 50.

- (A) 43.8
- (B) 54.8
- (C) 41.8
- (D) 45.8

Answer: A

Explanation: Average = sum / count = $219/5 = 43.8$.

Q543. Find the average of 42, 36, 68, 15, 28.

- (A) 47.2
- (B) 35.8
- (C) 37.8
- (D) 39.8

Answer: C

Explanation: Average = sum / count = $189/5 = 37.8$.

Q544. What is 25% of 200?

- (A) 50
- (B) 40.0
- (C) 60.0
- (D) 70.0

Answer: A

Explanation: 25% of 200 = $(25/100) \times 200 = 50$.

Q545. An item costs Rs. 600. At a profit of 15%, what is the selling price?

- (A) 690
- (B) 510.0
- (C) 630
- (D) 615

Answer: A

Explanation: Selling price = $600 \times (1 + 15/100) = \text{Rs. } 690$.

Q546. Find the average of 52, 17, 41, 37, 62.

- (A) 52.2
- (B) 41.8
- (C) 39.8
- (D) 43.8

Answer: B

Explanation: Average = sum / count = $209/5 = 41.8$.

Q547. Two quantities are in the ratio 3:4. If their total is 28, what is the first quantity?

- (A) 12
- (B) 4
- (C) 28
- (D) 16

Answer: A

Explanation: Total parts = 7. One part = $28/7 = 4$; first quantity = $3 \times 4 = 12$.

Q548. Two quantities are in the ratio 3:4. If their total is 84, what is the first quantity?

- (A) 48
- (B) 12
- (C) 84
- (D) 36

Answer: D

Explanation: Total parts = 7. One part = $84/7 = 12$; first quantity = $3 \times 12 = 36$.

Q549. Find the simple interest on Rs. 1200 at 10% per annum for 4 years.

- (A) 600
- (B) 480
- (C) 120
- (D) 360

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{1200 \times 10 \times 4}{100} = \text{Rs. } 480$.

Q550. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 189.0
- (B) 162
- (C) 57
- (D) 18.0

Answer: B

Explanation: Distance = speed $\times$ time = $54 \times 3 = 162$ km.

Q551. What is 12.5% of 250?

- (A) 43.75
- (B) 31.25
- (C) 56.25
- (D) 18.75

Answer: B

Explanation: 12.5% of 250 = $(12.5/100) \times 250 = 31.25$.

Q552. An item costs Rs. 320. At a profit of 25%, what is the selling price?

- (A) 240.0
- (B) 400
- (C) 345
- (D) 370

Answer: B

Explanation: Selling price = $320 \times (1 + 25/100) = \text{Rs. } 400$.

Q553. Find the simple interest on Rs. 2500 at 6% per annum for 4 years.

- (A) 600
- (B) 350
- (C) 150
- (D) 850

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 6 \times 4}{100} = \text{Rs. } 600.$

Q554. Two quantities are in the ratio 3:4. If their total is 98, what is the first quantity?

- (A) 14
- (B) 56
- (C) 98
- (D) 42

Answer: D

Explanation: Total parts = 7. One part = $98/7 = 14$; first quantity = $3 \times 14 = 42.$

Q555. Two quantities are in the ratio 7:9. If their total is 144, what is the first quantity?

- (A) 81
- (B) 63
- (C) 144
- (D) 18

Answer: B

Explanation: Total parts = 16. One part = $144/16 = 9$; first quantity = $7 \times 9 = 63.$

Q556. Two quantities are in the ratio 5:7. If their total is 72, what is the first quantity?

- (A) 42
- (B) 30
- (C) 12
- (D) 72

Answer: B

Explanation: Total parts = 12. One part = $72/12 = 6$; first quantity = $5 \times 6 = 30.$

Q557. A can finish a work in 15 days and B in 30 days. In how many days can they finish it together?

- (A) 22.5
- (B) 30.0
- (C) 10.0
- (D) 15

Answer: C

Explanation: Combined rate = $\frac{1}{15} + \frac{1}{30} = \frac{45}{450}$; time = $\frac{450}{45} = 10.0$ days.

Q558. Two quantities are in the ratio 7:9. If their total is 192, what is the first quantity?

- (A) 84
- (B) 24
- (C) 192
- (D) 108

Answer: A

Explanation: Total parts = 16. One part = $192/16 = 12$; first quantity = $7 \times 12 = 84.$

Q559. Two quantities are in the ratio 3:4. If their total is 105, what is the first quantity?

- (A) 15
- (B) 60
- (C) 105
- (D) 45

Answer: D

Explanation: Total parts = 7. One part = $105/7 = 15$; first quantity = $3 \times 15 = 45$.

Q560. A can finish a work in 8 days and B in 20 days. In how many days can they finish it together?

- (A) 5.71
- (B) 13.33
- (C) 14.0
- (D) 12

Answer: A

Explanation: Combined rate = $1/8 + 1/20 = (28)/160$; time = $160/28 = 5.71$ days.

Q561. What is 5% of 150?

- (A) 15.0
- (B) 0
- (C) 22.5
- (D) 7.5

Answer: D

Explanation: 5% of 150 = $(5/100) \times 150 = 7.5$.

Q562. Find the simple interest on Rs. 5000 at 10% per annum for 3 years.

- (A) 1000
- (B) 500
- (C) 2000
- (D) 1500

Answer: D

Explanation: $SI = PRT/100 = 5000 \times 10 \times 3/100 = \text{Rs. } 1500$.

Q563. Find the average of 51, 54, 27, 49, 57.

- (A) 49.6
- (B) 45.6
- (C) 47.6
- (D) 59.5

Answer: C

Explanation: Average = sum / count = $238/5 = 47.6$.

Q564. What is 50% of 480?

- (A) 240
- (B) 216.0
- (C) 264.0
- (D) 288.0

Answer: A

Explanation: 50% of 480 = $(50/100) \times 480 = 240$.

Q565. A can finish a work in 12 days and B in 18 days. In how many days can they finish it together?

- (A) 15.0
- (B) 7.2
- (C) 6
- (D) 36.0

Answer: B

Explanation: Combined rate = $1/12 + 1/18 = (30)/216$; time = $216/30 = 7.2$ days.

Q566. A can finish a work in 18 days and B in 20 days. In how many days can they finish it together?

- (A) 19.0
- (B) 9.47
- (C) 180.0
- (D) 2

Answer: B

Explanation: Combined rate = $1/18 + 1/20 = (38)/360$; time = $360/38 = 9.47$ days.

Q567. Two quantities are in the ratio 4:5. If their total is 45, what is the first quantity?

- (A) 20
- (B) 45
- (C) 25
- (D) 5

Answer: A

Explanation: Total parts = 9. One part = $45/9 = 5$; first quantity = $4 \times 5 = 20$.

Q568. An item costs Rs. 500. At a profit of 10%, what is the selling price?

- (A) 510
- (B) 450.0
- (C) 550
- (D) 520

Answer: C

Explanation: Selling price = $500 \times (1 + 10/100) = \text{Rs. } 550$.

Q569. An item costs Rs. 600. At a profit of 25%, what is the selling price?

- (A) 625
- (B) 650
- (C) 750
- (D) 450.0

Answer: C

Explanation: Selling price = $600 \times (1 + 25/100) = \text{Rs. } 750$.

Q570. Find the simple interest on Rs. 4000 at 8% per annum for 4 years.

- (A) 320
- (B) 1680
- (C) 1280
- (D) 880

Answer: C

Explanation: $SI = \frac{PRT}{100} = 4000 \times 8 \times 4/100 = \text{Rs. } 1280$.

Q571. An item costs Rs. 600. At a profit of 25%, what is the selling price?

- (A) 625
- (B) 450.0
- (C) 750
- (D) 650

Answer: C

Explanation: Selling price = $600 \times (1 + 25/100) = \text{Rs. } 750$.

Q572. An item costs Rs. 800. At a profit of 30%, what is the selling price?

- (A) 860
- (B) 830
- (C) 560.0
- (D) 1040

Answer: D

Explanation: Selling price = $800 \times (1 + 30/100) = \text{Rs. } 1040$.

Q573. What is 35% of 300?

- (A) 135.0
- (B) 105
- (C) 90.0
- (D) 120.0

Answer: B

Explanation: $35\% \text{ of } 300 = (35/100) \times 300 = 105$.

Q574. An item costs Rs. 600. At a profit of 12%, what is the selling price?

- (A) 672
- (B) 612
- (C) 528.0
- (D) 624

Answer: A

Explanation: Selling price = $600 \times (1 + 12/100) = \text{Rs. } 672$.

Q575. A vehicle travels at 30 km/h for 4 hours. What distance does it cover?

- (A) 34
- (B) 135.0
- (C) 7.5
- (D) 120

Answer: D

Explanation: Distance = speed $\times$ time = $30 \times 4 = 120 \text{ km}$.

Q576. An item costs Rs. 500. At a profit of 15%, what is the selling price?

- (A) 425.0
- (B) 515
- (C) 575
- (D) 530

Answer: C

Explanation: Selling price = $500 \times (1 + 15/100) = \text{Rs. } 575$.

Q577. What is 10% of 300?

- (A) 30
- (B) 15.0
- (C) 60.0
- (D) 45.0

Answer: A

Explanation: $10\% \text{ of } 300 = (10/100) \times 300 = 30.$

Q578. Find the average of 52, 48, 74, 76, 78.

- (A) 67.6
- (B) 65.6
- (C) 63.6
- (D) 82.0

Answer: B

Explanation: $\text{Average} = \text{sum} / \text{count} = 328/5 = 65.6.$

Q579. Find the average of 22, 37, 50, 71, 74.

- (A) 50.8
- (B) 63.5
- (C) 52.8
- (D) 48.8

Answer: A

Explanation: $\text{Average} = \text{sum} / \text{count} = 254/5 = 50.8.$

Q580. What is 5% of 300?

- (A) 45.0
- (B) 30.0
- (C) 15
- (D) 0

Answer: C

Explanation: $5\% \text{ of } 300 = (5/100) \times 300 = 15.$

Q581. An item costs Rs. 500. At a profit of 25%, what is the selling price?

- (A) 525
- (B) 625
- (C) 375.0
- (D) 550

Answer: B

Explanation: $\text{Selling price} = 500 \times (1 + 25/100) = \text{Rs. } 625.$

Q582. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

- (A) 15.0
- (B) 157.5
- (C) 135
- (D) 48

Answer: C

Explanation: $\text{Distance} = \text{speed} \times \text{time} = 45 \times 3 = 135 \text{ km}.$

Q583. Find the simple interest on Rs. 2500 at 6% per annum for 4 years.

- (A) 600
- (B) 350
- (C) 850
- (D) 150

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 6 \times 4}{100} = \text{Rs. } 600.$

Q584. A can finish a work in 18 days and B in 15 days. In how many days can they finish it together?

- (A) 8.18
- (B) 3
- (C) 270.0
- (D) 16.5

Answer: A

Explanation: Combined rate = $\frac{1}{18} + \frac{1}{15} = \frac{33}{270}$; time = $\frac{270}{33} = 8.18$ days.

Q585. Find the simple interest on Rs. 1500 at 10% per annum for 3 years.

- (A) 150
- (B) 450
- (C) 300
- (D) 600

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{1500 \times 10 \times 3}{100} = \text{Rs. } 450.$

Q586. What is 30% of 180?

- (A) 45.0
- (B) 54
- (C) 72.0
- (D) 63.0

Answer: B

Explanation: 30% of 180 = $\frac{30}{100} \times 180 = 54.$

Q587. Two quantities are in the ratio 3:4. If their total is 105, what is the first quantity?

- (A) 105
- (B) 15
- (C) 60
- (D) 45

Answer: D

Explanation: Total parts = 7. One part = $\frac{105}{7} = 15$; first quantity = $3 \times 15 = 45.$

Q588. Find the average of 35, 37, 50, 73, 29.

- (A) 46.8
- (B) 44.8
- (C) 56.0
- (D) 42.8

Answer: B

Explanation: Average = $\frac{\text{sum}}{\text{count}} = \frac{224}{5} = 44.8.$

Q589. What is 50% of 750?

- (A) 375
- (B) 450.0
- (C) 337.5
- (D) 412.5

Answer: A

Explanation: $50\% \text{ of } 750 = (50/100) \times 750 = 375.$

Q590. An item costs Rs. 500. At a profit of 20%, what is the selling price?

- (A) 600
- (B) 520
- (C) 400.0
- (D) 540

Answer: A

Explanation: $\text{Selling price} = 500 \times (1 + 20/100) = \text{Rs. } 600.$

Q591. Find the average of 41, 38, 71, 54, 14.

- (A) 54.5
- (B) 41.6
- (C) 43.6
- (D) 45.6

Answer: C

Explanation: $\text{Average} = \text{sum} / \text{count} = 218/5 = 43.6.$

Q592. Find the simple interest on Rs. 2500 at 6% per annum for 4 years.

- (A) 850
- (B) 150
- (C) 350
- (D) 600

Answer: D

Explanation: $\text{SI} = \text{PRT}/100 = 2500 \times 6 \times 4/100 = \text{Rs. } 600.$

Q593. An item costs Rs. 250. At a profit of 20%, what is the selling price?

- (A) 290
- (B) 200.0
- (C) 300
- (D) 270

Answer: C

Explanation: $\text{Selling price} = 250 \times (1 + 20/100) = \text{Rs. } 300.$

Q594. Find the average of 57, 66, 15, 79, 22.

- (A) 59.8
- (B) 49.8
- (C) 45.8
- (D) 47.8

Answer: D

Explanation: $\text{Average} = \text{sum} / \text{count} = 239/5 = 47.8.$

Q595. An item costs Rs. 600. At a profit of 20%, what is the selling price?

- (A) 640
- (B) 480.0
- (C) 720
- (D) 620

Answer: C

Explanation: Selling price = $600 \times (1 + 20/100) = \text{Rs. } 720$.

Q596. A vehicle travels at 50 km/h for 3 hours. What distance does it cover?

- (A) 150
- (B) 175.0
- (C) 53
- (D) 16.67

Answer: A

Explanation: Distance = speed $\times$ time = $50 \times 3 = 150$ km.

Q597. A vehicle travels at 30 km/h for 3.5 hours. What distance does it cover?

- (A) 120.0
- (B) 8.57
- (C) 105
- (D) 33.5

Answer: C

Explanation: Distance = speed $\times$ time = $30 \times 3.5 = 105$ km.

Q598. What is 15% of 300?

- (A) 60.0
- (B) 75.0
- (C) 30.0
- (D) 45

Answer: D

Explanation: 15% of 300 = $(15/100) \times 300 = 45$.

Q599. Two quantities are in the ratio 7:9. If their total is 176, what is the first quantity?

- (A) 22
- (B) 77
- (C) 99
- (D) 176

Answer: B

Explanation: Total parts = 16. One part = $176/16 = 11$; first quantity = $7 \times 11 = 77$.

Q600. An item costs Rs. 240. At a profit of 15%, what is the selling price?

- (A) 255
- (B) 204.0
- (C) 276
- (D) 270

Answer: C

Explanation: Selling price = $240 \times (1 + 15/100) = \text{Rs. } 276$.

Q601. A can finish a work in 12 days and B in 18 days. In how many days can they finish it together?

- (A) 7.2
- (B) 6
- (C) 15.0
- (D) 36.0

Answer: A

Explanation: Combined rate = $1/12 + 1/18 = (30)/216$; time = $216/30 = 7.2$ days.

Q602. Find the simple interest on Rs. 2000 at 12% per annum for 2 years.

- (A) 240
- (B) 280
- (C) 680
- (D) 480

Answer: D

Explanation: $SI = PRT/100 = 2000 \times 12 \times 2/100 = \text{Rs. } 480$.

Q603. A can finish a work in 15 days and B in 24 days. In how many days can they finish it together?

- (A) 40.0
- (B) 19.5
- (C) 9.23
- (D) 9

Answer: C

Explanation: Combined rate = $1/15 + 1/24 = (39)/360$; time = $360/39 = 9.23$ days.

Q604. Two quantities are in the ratio 2:3. If their total is 35, what is the first quantity?

- (A) 35
- (B) 14
- (C) 21
- (D) 7

Answer: B

Explanation: Total parts = 5. One part = $35/5 = 7$; first quantity = $2 \times 7 = 14$.

Q605. Two quantities are in the ratio 4:5. If their total is 90, what is the first quantity?

- (A) 40
- (B) 50
- (C) 10
- (D) 90

Answer: A

Explanation: Total parts = 9. One part = $90/9 = 10$; first quantity = $4 \times 10 = 40$.

Q606. Find the average of 53, 48, 17, 76, 65.

- (A) 49.8
- (B) 51.8
- (C) 64.8
- (D) 53.8

Answer: B

Explanation: Average = sum / count = $259/5 = 51.8$.

Q607. A vehicle travels at 60 km/h for 2.5 hours. What distance does it cover?

- (A) 150
- (B) 180.0
- (C) 62.5
- (D) 24.0

Answer: A

Explanation: Distance = speed x time = $60 \times 2.5 = 150$ km.

Q608. Find the simple interest on Rs. 1500 at 10% per annum for 3 years.

- (A) 450
- (B) 150
- (C) 600
- (D) 300

Answer: A

Explanation: SI = $PRT/100 = 1500 \times 10 \times 3/100 = \text{Rs. } 450$.

Q609. A vehicle travels at 50 km/h for 2.5 hours. What distance does it cover?

- (A) 52.5
- (B) 125
- (C) 150.0
- (D) 20.0

Answer: B

Explanation: Distance = speed x time = $50 \times 2.5 = 125$ km.

Q610. Two quantities are in the ratio 3:4. If their total is 70, what is the first quantity?

- (A) 30
- (B) 70
- (C) 40
- (D) 10

Answer: A

Explanation: Total parts = 7. One part = $70/7 = 10$; first quantity = $3 \times 10 = 30$.

Q611. A vehicle travels at 60 km/h for 2.5 hours. What distance does it cover?

- (A) 180.0
- (B) 24.0
- (C) 62.5
- (D) 150

Answer: D

Explanation: Distance = speed x time = $60 \times 2.5 = 150$ km.

Q612. A vehicle travels at 50 km/h for 2 hours. What distance does it cover?

- (A) 125.0
- (B) 100
- (C) 52
- (D) 25.0

Answer: B

Explanation: Distance = speed x time = $50 \times 2 = 100$ km.

Q613. What is 12.5% of 500?

- (A) 62.5
- (B) 112.5
- (C) 37.5
- (D) 87.5

Answer: A

Explanation: $12.5\% \text{ of } 500 = (12.5/100) \times 500 = 62.5$.

Q614. Find the simple interest on Rs. 2500 at 8% per annum for 3 years.

- (A) 850
- (B) 200
- (C) 600
- (D) 350

Answer: C

Explanation: $SI = PRT/100 = 2500 \times 8 \times 3/100 = \text{Rs. } 600$.

Q615. Find the simple interest on Rs. 4000 at 6% per annum for 4 years.

- (A) 240
- (B) 560
- (C) 960
- (D) 1360

Answer: C

Explanation: $SI = PRT/100 = 4000 \times 6 \times 4/100 = \text{Rs. } 960$.

Q616. Find the average of 54, 19, 33, 11, 52.

- (A) 42.2
- (B) 35.8
- (C) 33.8
- (D) 31.8

Answer: C

Explanation: $\text{Average} = \text{sum} / \text{count} = 169/5 = 33.8$.

Q617. What is 75% of 400?

- (A) 320.0
- (B) 280.0
- (C) 340.0
- (D) 300

Answer: D

Explanation: $75\% \text{ of } 400 = (75/100) \times 400 = 300$.

Q618. A vehicle travels at 45 km/h for 3.5 hours. What distance does it cover?

- (A) 12.86
- (B) 48.5
- (C) 157.5
- (D) 180.0

Answer: C

Explanation: $\text{Distance} = \text{speed} \times \text{time} = 45 \times 3.5 = 157.5 \text{ km}$.

Q619. What is 5% of 180?

- (A) 9
- (B) 27.0
- (C) 0
- (D) 18.0

Answer: A

Explanation: 5% of 180 = $(5/100) \times 180 = 9$.

Q620. A can finish a work in 10 days and B in 15 days. In how many days can they finish it together?

- (A) 12.5
- (B) 30.0
- (C) 6.0
- (D) 5

Answer: C

Explanation: Combined rate = $1/10 + 1/15 = (25)/150$; time = $150/25 = 6.0$ days.

Q621. What is 50% of 450?

- (A) 202.5
- (B) 225
- (C) 270.0
- (D) 247.5

Answer: B

Explanation: 50% of 450 = $(50/100) \times 450 = 225$.

Q622. Find the simple interest on Rs. 1200 at 8% per annum for 4 years.

- (A) 264
- (B) 504
- (C) 96
- (D) 384

Answer: D

Explanation: $SI = PRT/100 = 1200 \times 8 \times 4/100 = \text{Rs. } 384$.

Q623. Two quantities are in the ratio 7:9. If their total is 256, what is the first quantity?

- (A) 144
- (B) 112
- (C) 32
- (D) 256

Answer: B

Explanation: Total parts = 16. One part = $256/16 = 16$; first quantity = $7 \times 16 = 112$.

Q624. Find the average of 79, 71, 23, 68, 56.

- (A) 74.2
- (B) 61.4
- (C) 57.4
- (D) 59.4

Answer: D

Explanation: Average = sum / count = $297/5 = 59.4$.

Q625. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

- (A) 15.0
- (B) 135
- (C) 157.5
- (D) 48

Answer: B

Explanation: Distance = speed x time = $45 \times 3 = 135$ km.

Q626. An item costs Rs. 300. At a profit of 12%, what is the selling price?

- (A) 324
- (B) 264.0
- (C) 312
- (D) 336

Answer: D

Explanation: Selling price = $300 \times (1 + 12/100) = \text{Rs. } 336$.

Q627. An item costs Rs. 300. At a profit of 15%, what is the selling price?

- (A) 330
- (B) 345
- (C) 315
- (D) 255.0

Answer: B

Explanation: Selling price = $300 \times (1 + 15/100) = \text{Rs. } 345$.

Q628. Find the average of 14, 25, 22, 69, 16.

- (A) 36.5
- (B) 29.2
- (C) 27.2
- (D) 31.2

Answer: B

Explanation: Average = sum / count = $146/5 = 29.2$.

Q629. What is 25% of 180?

- (A) 63.0
- (B) 45
- (C) 54.0
- (D) 36.0

Answer: B

Explanation: 25% of 180 = $(25/100) \times 180 = 45$.

Q630. Find the simple interest on Rs. 2000 at 6% per annum for 2 years.

- (A) 40
- (B) 240
- (C) 120
- (D) 440

Answer: B

Explanation: SI = $PRT/100 = 2000 \times 6 \times 2/100 = \text{Rs. } 240$.

Q631. Find the average of 62, 72, 61, 57, 38.

- (A) 56
- (B) 58
- (C) 60
- (D) 72.5

Answer: B

Explanation: Average = sum / count = $290/5 = 58$.

Q632. Two quantities are in the ratio 7:9. If their total is 272, what is the first quantity?

- (A) 153
- (B) 119
- (C) 34
- (D) 272

Answer: B

Explanation: Total parts = 16. One part = $272/16 = 17$; first quantity = $7 \times 17 = 119$.

Q633. Find the simple interest on Rs. 2000 at 12% per annum for 3 years.

- (A) 240
- (B) 520
- (C) 720
- (D) 920

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{2000 \times 12 \times 3}{100} = \text{Rs. } 720$.

Q634. Two quantities are in the ratio 3:5. If their total is 96, what is the first quantity?

- (A) 36
- (B) 96
- (C) 24
- (D) 60

Answer: A

Explanation: Total parts = 8. One part = $96/8 = 12$; first quantity = $3 \times 12 = 36$.

Q635. Find the simple interest on Rs. 1000 at 5% per annum for 4 years.

- (A) 300
- (B) 50
- (C) 200
- (D) 100

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 5 \times 4}{100} = \text{Rs. } 200$.

Q636. A vehicle travels at 54 km/h for 4 hours. What distance does it cover?

- (A) 58
- (B) 216
- (C) 13.5
- (D) 243.0

Answer: B

Explanation: Distance = speed $\times$ time = $54 \times 4 = 216$ km.

Q637. Find the average of 64, 43, 56, 69, 63.

- (A) 61
- (B) 59
- (C) 57
- (D) 73.8

Answer: B

Explanation: Average = sum / count = $295/5 = 59$.

Q638. An item costs Rs. 300. At a profit of 10%, what is the selling price?

- (A) 270.0
- (B) 310
- (C) 330
- (D) 320

Answer: C

Explanation: Selling price = $300 \times (1 + 10/100) = \text{Rs. } 330$.

Q639. Two quantities are in the ratio 5:7. If their total is 120, what is the first quantity?

- (A) 50
- (B) 70
- (C) 20
- (D) 120

Answer: A

Explanation: Total parts = 12. One part = $120/12 = 10$; first quantity = $5 \times 10 = 50$.

Q640. What is 60% of 120?

- (A) 78.0
- (B) 72
- (C) 66.0
- (D) 84.0

Answer: B

Explanation: 60% of 120 = $(60/100) \times 120 = 72$.

Q641. A can finish a work in 6 days and B in 12 days. In how many days can they finish it together?

- (A) 9.0
- (B) 12.0
- (C) 6
- (D) 4.0

Answer: D

Explanation: Combined rate = $1/6 + 1/12 = (18)/72$; time = $72/18 = 4.0$ days.

Q642. Find the simple interest on Rs. 3000 at 5% per annum for 4 years.

- (A) 300
- (B) 150
- (C) 600
- (D) 900

Answer: C

Explanation: SI = $PRT/100 = 3000 \times 5 \times 4/100 = \text{Rs. } 600$.

Q643. A can finish a work in 18 days and B in 15 days. In how many days can they finish it together?

- (A) 16.5
- (B) 8.18
- (C) 270.0
- (D) 3

Answer: B

Explanation: Combined rate = $1/18 + 1/15 = (33)/270$; time = $270/33 = 8.18$ days.

Q644. Two quantities are in the ratio 7:9. If their total is 208, what is the first quantity?

- (A) 117
- (B) 208
- (C) 26
- (D) 91

Answer: D

Explanation: Total parts = 16. One part = $208/16 = 13$; first quantity = $7 \times 13 = 91$.

Q645. An item costs Rs. 320. At a profit of 15%, what is the selling price?

- (A) 368
- (B) 272.0
- (C) 350
- (D) 335

Answer: A

Explanation: Selling price = $320 \times (1 + 15/100) = \text{Rs. } 368$.

Q646. Two quantities are in the ratio 3:4. If their total is 63, what is the first quantity?

- (A) 9
- (B) 36
- (C) 63
- (D) 27

Answer: D

Explanation: Total parts = 7. One part = $63/7 = 9$; first quantity = $3 \times 9 = 27$.

Q647. A can finish a work in 6 days and B in 15 days. In how many days can they finish it together?

- (A) 10.5
- (B) 10.0
- (C) 9
- (D) 4.29

Answer: D

Explanation: Combined rate = $1/6 + 1/15 = (21)/90$; time = $90/21 = 4.29$ days.

Q648. Two quantities are in the ratio 2:3. If their total is 30, what is the first quantity?

- (A) 18
- (B) 6
- (C) 12
- (D) 30

Answer: C

Explanation: Total parts = 5. One part = $30/5 = 6$; first quantity = $2 \times 6 = 12$.

Q649. Find the average of 36, 68, 42, 54, 75.

- (A) 57
- (B) 55
- (C) 68.8
- (D) 53

Answer: B

Explanation: Average = sum / count = $275/5 = 55$.

Q650. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

- (A) 48
- (B) 135
- (C) 157.5
- (D) 15.0

Answer: B

Explanation: Distance = speed x time = $45 \times 3 = 135$ km.

Q651. What is 35% of 180?

- (A) 54.0
- (B) 72.0
- (C) 63
- (D) 81.0

Answer: C

Explanation: 35% of 180 = $(35/100) \times 180 = 63$.

Q652. What is 35% of 250?

- (A) 75.0
- (B) 100.0
- (C) 112.5
- (D) 87.5

Answer: D

Explanation: 35% of 250 = $(35/100) \times 250 = 87.5$.

Q653. Two quantities are in the ratio 7:9. If their total is 176, what is the first quantity?

- (A) 99
- (B) 176
- (C) 22
- (D) 77

Answer: D

Explanation: Total parts = 16. One part = $176/16 = 11$; first quantity = $7 \times 11 = 77$.

Q654. Find the average of 14, 31, 11, 72, 37.

- (A) 31
- (B) 41.2
- (C) 35
- (D) 33

Answer: D

Explanation: Average = sum / count = $165/5 = 33$.

Q655. What is 40% of 240?

- (A) 96
- (B) 108.0
- (C) 84.0
- (D) 120.0

Answer: A

Explanation: $40\% \text{ of } 240 = (40/100) \times 240 = 96.$

Q656. Find the average of 47, 13, 76, 56, 10.

- (A) 42.4
- (B) 50.5
- (C) 40.4
- (D) 38.4

Answer: C

Explanation: $\text{Average} = \text{sum} / \text{count} = 202/5 = 40.4.$

Q657. What is 50% of 500?

- (A) 250
- (B) 300.0
- (C) 225.0
- (D) 275.0

Answer: A

Explanation: $50\% \text{ of } 500 = (50/100) \times 500 = 250.$

Q658. A vehicle travels at 36 km/h for 3.5 hours. What distance does it cover?

- (A) 10.29
- (B) 144.0
- (C) 39.5
- (D) 126

Answer: D

Explanation: $\text{Distance} = \text{speed} \times \text{time} = 36 \times 3.5 = 126 \text{ km}.$

Q659. What is 40% of 360?

- (A) 162.0
- (B) 180.0
- (C) 126.0
- (D) 144

Answer: D

Explanation: $40\% \text{ of } 360 = (40/100) \times 360 = 144.$

Q660. Find the average of 31, 29, 17, 62, 48.

- (A) 35.4
- (B) 39.4
- (C) 46.8
- (D) 37.4

Answer: D

Explanation: $\text{Average} = \text{sum} / \text{count} = 187/5 = 37.4.$

Q661. Find the average of 39, 79, 57, 36, 54.

- (A) 55
- (B) 66.2
- (C) 53
- (D) 51

Answer: C

Explanation: Average = sum / count = $265/5 = 53$.

Q662. Find the simple interest on Rs. 2000 at 8% per annum for 2 years.

- (A) 160
- (B) 120
- (C) 320
- (D) 520

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{2000 \times 8 \times 2}{100} = \text{Rs. } 320$.

Q663. Find the simple interest on Rs. 5000 at 8% per annum for 2 years.

- (A) 800
- (B) 400
- (C) 1300
- (D) 300

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{5000 \times 8 \times 2}{100} = \text{Rs. } 800$.

Q664. Find the simple interest on Rs. 1000 at 8% per annum for 2 years.

- (A) 80
- (B) 260
- (C) 60
- (D) 160

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 8 \times 2}{100} = \text{Rs. } 160$.

Q665. What is 30% of 480?

- (A) 168.0
- (B) 120.0
- (C) 144
- (D) 192.0

Answer: C

Explanation: $30\% \text{ of } 480 = \frac{30}{100} \times 480 = 144$.

Q666. Two quantities are in the ratio 4:5. If their total is 135, what is the first quantity?

- (A) 60
- (B) 75
- (C) 15
- (D) 135

Answer: A

Explanation: Total parts = 9. One part = $135/9 = 15$; first quantity = $4 \times 15 = 60$.

Q667. Two quantities are in the ratio 4:5. If their total is 72, what is the first quantity?

- (A) 40
- (B) 72
- (C) 32
- (D) 8

Answer: C

Explanation: Total parts = 9. One part = $72/9 = 8$; first quantity = $4 \times 8 = 32$.

Q668. Two quantities are in the ratio 5:7. If their total is 108, what is the first quantity?

- (A) 45
- (B) 18
- (C) 63
- (D) 108

Answer: A

Explanation: Total parts = 12. One part = $108/12 = 9$; first quantity = $5 \times 9 = 45$.

Q669. What is 30% of 450?

- (A) 157.5
- (B) 135
- (C) 112.5
- (D) 180.0

Answer: B

Explanation: 30% of 450 = $(30/100) \times 450 = 135$.

Q670. An item costs Rs. 500. At a profit of 10%, what is the selling price?

- (A) 550
- (B) 520
- (C) 510
- (D) 450.0

Answer: A

Explanation: Selling price = $500 \times (1 + 10/100) = \text{Rs. } 550$.

Q671. An item costs Rs. 250. At a profit of 20%, what is the selling price?

- (A) 270
- (B) 290
- (C) 200.0
- (D) 300

Answer: D

Explanation: Selling price = $250 \times (1 + 20/100) = \text{Rs. } 300$.

Q672. What is 50% of 600?

- (A) 270.0
- (B) 330.0
- (C) 360.0
- (D) 300

Answer: D

Explanation: 50% of 600 = $(50/100) \times 600 = 300$.

Q673. Two quantities are in the ratio 2:3. If their total is 45, what is the first quantity?

- (A) 9
- (B) 18
- (C) 45
- (D) 27

Answer: B

Explanation: Total parts = 5. One part = $45/5 = 9$; first quantity = $2 \times 9 = 18$.

Q674. An item costs Rs. 500. At a profit of 10%, what is the selling price?

- (A) 520
- (B) 450.0
- (C) 510
- (D) 550

Answer: D

Explanation: Selling price = $500 \times (1 + 10/100) = \text{Rs. } 550$.

Q675. Find the simple interest on Rs. 1500 at 8% per annum for 3 years.

- (A) 510
- (B) 360
- (C) 120
- (D) 210

Answer: B

Explanation: $SI = PRT/100 = 1500 \times 8 \times 3/100 = \text{Rs. } 360$.

Q676. What is 5% of 240?

- (A) 0
- (B) 12
- (C) 24.0
- (D) 36.0

Answer: B

Explanation: $5\% \text{ of } 240 = (5/100) \times 240 = 12$.

Q677. Two quantities are in the ratio 3:4. If their total is 28, what is the first quantity?

- (A) 12
- (B) 16
- (C) 4
- (D) 28

Answer: A

Explanation: Total parts = 7. One part = $28/7 = 4$; first quantity = $3 \times 4 = 12$.

Q678. Find the simple interest on Rs. 5000 at 8% per annum for 3 years.

- (A) 700
- (B) 1700
- (C) 400
- (D) 1200

Answer: D

Explanation: $SI = PRT/100 = 5000 \times 8 \times 3/100 = \text{Rs. } 1200$.

Q679. A can finish a work in 15 days and B in 24 days. In how many days can they finish it together?

- (A) 19.5
- (B) 9
- (C) 40.0
- (D) 9.23

Answer: D

Explanation: Combined rate = $\frac{1}{15} + \frac{1}{24} = \frac{39}{360}$; time = $\frac{360}{39} = 9.23$ days.

Q680. A vehicle travels at 30 km/h for 2.5 hours. What distance does it cover?

- (A) 12.0
- (B) 90.0
- (C) 75
- (D) 32.5

Answer: C

Explanation: Distance = speed x time = $30 \times 2.5 = 75$ km.

Q681. An item costs Rs. 600. At a profit of 20%, what is the selling price?

- (A) 640
- (B) 480.0
- (C) 720
- (D) 620

Answer: C

Explanation: Selling price = $600 \times (1 + \frac{20}{100}) = \text{Rs. } 720$.

Q682. Find the average of 77, 51, 73, 44, 75.

- (A) 62
- (B) 66
- (C) 80.0
- (D) 64

Answer: D

Explanation: Average = sum / count = $\frac{320}{5} = 64$.

Q683. A vehicle travels at 36 km/h for 3.5 hours. What distance does it cover?

- (A) 39.5
- (B) 126
- (C) 10.29
- (D) 144.0

Answer: B

Explanation: Distance = speed x time = $36 \times 3.5 = 126$ km.

Q684. A vehicle travels at 50 km/h for 4 hours. What distance does it cover?

- (A) 200
- (B) 54
- (C) 225.0
- (D) 12.5

Answer: A

Explanation: Distance = speed x time = $50 \times 4 = 200$ km.

Q685. A vehicle travels at 54 km/h for 3.5 hours. What distance does it cover?

- (A) 15.43
- (B) 216.0
- (C) 189
- (D) 57.5

Answer: C

Explanation: Distance = speed x time = $54 \times 3.5 = 189$ km.

Q686. Two quantities are in the ratio 3:5. If their total is 112, what is the first quantity?

- (A) 28
- (B) 70
- (C) 42
- (D) 112

Answer: C

Explanation: Total parts = 8. One part = $112/8 = 14$; first quantity = $3 \times 14 = 42$.

Q687. A can finish a work in 18 days and B in 18 days. In how many days can they finish it together?

- (A) 18.0
- (B) 0
- (C) 324.0
- (D) 9.0

Answer: D

Explanation: Combined rate = $1/18 + 1/18 = (36)/324$; time = $324/36 = 9.0$ days.

Q688. Two quantities are in the ratio 7:9. If their total is 80, what is the first quantity?

- (A) 10
- (B) 35
- (C) 45
- (D) 80

Answer: B

Explanation: Total parts = 16. One part = $80/16 = 5$; first quantity = $7 \times 5 = 35$.

Q689. An item costs Rs. 400. At a profit of 25%, what is the selling price?

- (A) 500
- (B) 450
- (C) 300.0
- (D) 425

Answer: A

Explanation: Selling price = $400 \times (1 + 25/100) = \text{Rs. } 500$.

Q690. An item costs Rs. 500. At a profit of 12%, what is the selling price?

- (A) 560
- (B) 524
- (C) 440.0
- (D) 512

Answer: A

Explanation: Selling price = $500 \times (1 + 12/100) = \text{Rs. } 560$.

Q691. What is 35% of 450?

- (A) 135.0
- (B) 202.5
- (C) 157.5
- (D) 180.0

Answer: C

Explanation: 35% of 450 = $(35/100) \times 450 = 157.5$.

Q692. A can finish a work in 12 days and B in 20 days. In how many days can they finish it together?

- (A) 30.0
- (B) 8
- (C) 7.5
- (D) 16.0

Answer: C

Explanation: Combined rate = $1/12 + 1/20 = (32)/240$; time = $240/32 = 7.5$ days.

Q693. An item costs Rs. 250. At a profit of 15%, what is the selling price?

- (A) 287.5
- (B) 265
- (C) 212.5
- (D) 280

Answer: A

Explanation: Selling price = $250 \times (1 + 15/100) = \text{Rs. } 287.5$.

Q694. Find the simple interest on Rs. 4000 at 10% per annum for 2 years.

- (A) 800
- (B) 1200
- (C) 519
- (D) 400

Answer: A

Explanation: $SI = PRT/100 = 4000 \times 10 \times 2/100 = \text{Rs. } 800$.

Q695. An item costs Rs. 200. At a profit of 25%, what is the selling price?

- (A) 911
- (B) 150.0
- (C) 225
- (D) 250

Answer: D

Explanation: Selling price = $200 \times (1 + 25/100) = \text{Rs. } 250$.

Q696. What is 35% of 450?

- (A) 180.0
- (B) 135.0
- (C) 202.5
- (D) 157.5

Answer: D

Explanation: 35% of 450 = $(35/100) \times 450 = 157.5$.

Q697. Find the simple interest on Rs. 1200 at 6% per annum for 3 years.

- (A) 72
- (B) 96
- (C) 216
- (D) 336

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{1200 \times 6 \times 3}{100} = \text{Rs. } 216.$

Q698. An item costs Rs. 250. At a profit of 10%, what is the selling price?

- (A) 270
- (B) 260
- (C) 275
- (D) 225.0

Answer: C

Explanation: Selling price = $250 \times (1 + \frac{10}{100}) = \text{Rs. } 275.$

Q699. Two quantities are in the ratio 3:5. If their total is 48, what is the first quantity?

- (A) 30
- (B) 18
- (C) 12
- (D) 48

Answer: B

Explanation: Total parts = 8. One part = $48/8 = 6$; first quantity = $3 \times 6 = 18.$

Q700. What is 75% of 600?

- (A) 480.0
- (B) 450
- (C) 420.0
- (D) 510.0

Answer: B

Explanation: 75% of 600 = $(\frac{75}{100}) \times 600 = 450.$

Q701. What is 20% of 600?

- (A) 180.0
- (B) 150.0
- (C) 120
- (D) 90.0

Answer: C

Explanation: 20% of 600 = $(\frac{20}{100}) \times 600 = 120.$

Q702. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

- (A) 43.5
- (B) 160.0
- (C) 11.43
- (D) 140

Answer: D

Explanation: Distance = speed $\times$ time = $40 \times 3.5 = 140 \text{ km}.$

Q703. Find the average of 67, 72, 53, 44, 32.

- (A) 67.0
- (B) 51.6
- (C) 55.6
- (D) 53.6

Answer: D

Explanation: Average = sum / count = $268/5 = 53.6$.

Q704. Find the simple interest on Rs. 2000 at 8% per annum for 3 years.

- (A) 480
- (B) 280
- (C) 680
- (D) 160

Answer: A

Explanation: $SI = PRT/100 = 2000 \times 8 \times 3/100 = \text{Rs. } 480$.

Q705. A can finish a work in 8 days and B in 15 days. In how many days can they finish it together?

- (A) 5.22
- (B) 7
- (C) 17.14
- (D) 11.5

Answer: A

Explanation: Combined rate = $1/8 + 1/15 = (23)/120$; time = $120/23 = 5.22$ days.

Q706. A vehicle travels at 72 km/h for 2.5 hours. What distance does it cover?

- (A) 216.0
- (B) 180
- (C) 74.5
- (D) 28.8

Answer: B

Explanation: Distance = speed x time = $72 \times 2.5 = 180$ km.

Q707. Two quantities are in the ratio 2:3. If their total is 35, what is the first quantity?

- (A) 21
- (B) 7
- (C) 35
- (D) 14

Answer: D

Explanation: Total parts = 5. One part = $35/5 = 7$; first quantity = $2 \times 7 = 14$.

Q708. An item costs Rs. 600. At a profit of 30%, what is the selling price?

- (A) 630
- (B) 660
- (C) 420.0
- (D) 780

Answer: D

Explanation: Selling price = $600 \times (1 + 30/100) = \text{Rs. } 780$.

Q709. What is 20% of 480?

- (A) 144.0
- (B) 120.0
- (C) 96
- (D) 72.0

Answer: C

Explanation: $20\% \text{ of } 480 = (20/100) \times 480 = 96$.

Q710. A can finish a work in 12 days and B in 18 days. In how many days can they finish it together?

- (A) 7.2
- (B) 36.0
- (C) 15.0
- (D) 6

Answer: A

Explanation: Combined rate = $1/12 + 1/18 = (30)/216$; time = $216/30 = 7.2$ days.

Q711. Two quantities are in the ratio 3:5. If their total is 112, what is the first quantity?

- (A) 42
- (B) 70
- (C) 28
- (D) 112

Answer: A

Explanation: Total parts = 8. One part = $112/8 = 14$; first quantity = $3 \times 14 = 42$.

Q712. A can finish a work in 18 days and B in 18 days. In how many days can they finish it together?

- (A) 9.0
- (B) 324.0
- (C) 18.0
- (D) 0

Answer: A

Explanation: Combined rate = $1/18 + 1/18 = (36)/324$; time = $324/36 = 9.0$ days.

Q713. Find the simple interest on Rs. 2000 at 8% per annum for 4 years.

- (A) 160
- (B) 440
- (C) 840
- (D) 640

Answer: D

Explanation: $SI = PRT/100 = 2000 \times 8 \times 4/100 = \text{Rs. } 640$.

Q714. Two quantities are in the ratio 4:5. If their total is 90, what is the first quantity?

- (A) 50
- (B) 40
- (C) 10
- (D) 90

Answer: B

Explanation: Total parts = 9. One part = $90/9 = 10$; first quantity = $4 \times 10 = 40$.

Q715. Find the average of 15, 60, 66, 48, 75.

- (A) 54.8
- (B) 66.0
- (C) 50.8
- (D) 52.8

Answer: D

Explanation: Average = sum / count = $264/5 = 52.8$.

Q716. A can finish a work in 12 days and B in 20 days. In how many days can they finish it together?

- (A) 8
- (B) 30.0
- (C) 16.0
- (D) 7.5

Answer: D

Explanation: Combined rate = $1/12 + 1/20 = (32)/240$; time = $240/32 = 7.5$ days.

Q717. Find the simple interest on Rs. 2500 at 10% per annum for 2 years.

- (A) 882
- (B) 750
- (C) 250
- (D) 500

Answer: D

Explanation: SI = $PRT/100 = 2500 \times 10 \times 2/100 = \text{Rs. } 500$.

Q718. Find the simple interest on Rs. 1000 at 8% per annum for 2 years.

- (A) 160
- (B) 60
- (C) 260
- (D) 80

Answer: A

Explanation: SI = $PRT/100 = 1000 \times 8 \times 2/100 = \text{Rs. } 160$.

Q719. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 189.0
- (B) 18.0
- (C) 162
- (D) 57

Answer: C

Explanation: Distance = speed $\times$ time = $54 \times 3 = 162$ km.

Q720. An item costs Rs. 250. At a profit of 30%, what is the selling price?

- (A) 325
- (B) 175.0
- (C) 310
- (D) 280

Answer: A

Explanation: Selling price = $250 \times (1 + 30/100) = \text{Rs. } 325$.

Q721. Two quantities are in the ratio 5:7. If their total is 120, what is the first quantity?

- (A) 50
- (B) 120
- (C) 20
- (D) 70

Answer: A

Explanation: Total parts = 12. One part = $120/12 = 10$; first quantity = $5 \times 10 = 50$.

Q722. A can finish a work in 12 days and B in 12 days. In how many days can they finish it together?

- (A) 144.0
- (B) 12.0
- (C) 0
- (D) 6.0

Answer: D

Explanation: Combined rate = $1/12 + 1/12 = (24)/144$; time = $144/24 = 6.0$ days.

Q723. A vehicle travels at 60 km/h for 2 hours. What distance does it cover?

- (A) 120
- (B) 30.0
- (C) 62
- (D) 150.0

Answer: A

Explanation: Distance = speed $\times$ time = $60 \times 2 = 120$ km.

Q724. Two quantities are in the ratio 7:9. If their total is 144, what is the first quantity?

- (A) 144
- (B) 18
- (C) 63
- (D) 81

Answer: C

Explanation: Total parts = 16. One part = $144/16 = 9$; first quantity = $7 \times 9 = 63$.

Q725. What is 50% of 500?

- (A) 300.0
- (B) 275.0
- (C) 225.0
- (D) 250

Answer: D

Explanation: 50% of 500 = $(50/100) \times 500 = 250$.

Q726. What is 75% of 800?

- (A) 560.0
- (B) 600
- (C) 640.0
- (D) 680.0

Answer: B

Explanation: 75% of 800 = $(75/100) \times 800 = 600$.

Q727. What is 5% of 320?

- (A) 48.0
- (B) 16
- (C) 0
- (D) 32.0

Answer: B

Explanation: $5\% \text{ of } 320 = (5/100) \times 320 = 16.$

Q728. Find the average of 34, 76, 74, 78, 19.

- (A) 56.2
- (B) 58.2
- (C) 70.2
- (D) 54.2

Answer: A

Explanation: $\text{Average} = \text{sum} / \text{count} = 281/5 = 56.2.$

Q729. Find the average of 60, 58, 35, 23, 30.

- (A) 51.5
- (B) 41.2
- (C) 43.2
- (D) 39.2

Answer: B

Explanation: $\text{Average} = \text{sum} / \text{count} = 206/5 = 41.2.$

Q730. What is 35% of 240?

- (A) 108.0
- (B) 96.0
- (C) 72.0
- (D) 84

Answer: D

Explanation: $35\% \text{ of } 240 = (35/100) \times 240 = 84.$

Q731. What is 12.5% of 320?

- (A) 24.0
- (B) 56.0
- (C) 40
- (D) 72.0

Answer: C

Explanation: $12.5\% \text{ of } 320 = (12.5/100) \times 320 = 40.$

Q732. An item costs Rs. 320. At a profit of 12%, what is the selling price?

- (A) 332
- (B) 344
- (C) 281.6
- (D) 358.4

Answer: D

Explanation: $\text{Selling price} = 320 \times (1 + 12/100) = \text{Rs. } 358.4.$

Q733. Find the average of 75, 30, 32, 21, 54.

- (A) 53.0
- (B) 40.4
- (C) 44.4
- (D) 42.4

Answer: D

Explanation: Average = sum / count = $212/5 = 42.4$.

Q734. A can finish a work in 6 days and B in 30 days. In how many days can they finish it together?

- (A) 7.5
- (B) 5.0
- (C) 24
- (D) 18.0

Answer: B

Explanation: Combined rate = $1/6 + 1/30 = (36)/180$; time = $180/36 = 5.0$ days.

Q735. Find the simple interest on Rs. 1200 at 6% per annum for 2 years.

- (A) 144
- (B) 24
- (C) 264
- (D) 72

Answer: A

Explanation: SI = $PRT/100 = 1200 \times 6 \times 2/100 = \text{Rs. } 144$.

Q736. Find the average of 23, 20, 39, 68, 64.

- (A) 44.8
- (B) 40.8
- (C) 53.5
- (D) 42.8

Answer: D

Explanation: Average = sum / count = $214/5 = 42.8$.

Q737. Two quantities are in the ratio 3:5. If their total is 80, what is the first quantity?

- (A) 80
- (B) 30
- (C) 20
- (D) 50

Answer: B

Explanation: Total parts = 8. One part = $80/8 = 10$; first quantity = $3 \times 10 = 30$.

Q738. What is 75% of 450?

- (A) 382.5
- (B) 337.5
- (C) 360.0
- (D) 315.0

Answer: B

Explanation: 75% of 450 = $(75/100) \times 450 = 337.5$.

Q739. What is 30% of 500?

- (A) 150
- (B) 175.0
- (C) 125.0
- (D) 200.0

Answer: A

Explanation: $30\% \text{ of } 500 = (30/100) \times 500 = 150$.

Q740. An item costs Rs. 250. At a profit of 25%, what is the selling price?

- (A) 300
- (B) 312.5
- (C) 187.5
- (D) 275

Answer: B

Explanation: Selling price = $250 \times (1 + 25/100) = \text{Rs. } 312.5$.

Q741. Find the simple interest on Rs. 2000 at 8% per annum for 2 years.

- (A) 520
- (B) 160
- (C) 120
- (D) 320

Answer: D

Explanation: $SI = PRT/100 = 2000 \times 8 \times 2/100 = \text{Rs. } 320$.

Q742. Two quantities are in the ratio 7:9. If their total is 128, what is the first quantity?

- (A) 56
- (B) 16
- (C) 72
- (D) 128

Answer: A

Explanation: Total parts = 16. One part = $128/16 = 8$; first quantity = $7 \times 8 = 56$.

Q743. A can finish a work in 20 days and B in 12 days. In how many days can they finish it together?

- (A) 16.0
- (B) 7.5
- (C) 240.0
- (D) 8

Answer: B

Explanation: Combined rate = $1/20 + 1/12 = (32)/240$; time = $240/32 = 7.5$ days.

Q744. A can finish a work in 18 days and B in 24 days. In how many days can they finish it together?

- (A) 10.29
- (B) 72.0
- (C) 6
- (D) 21.0

Answer: A

Explanation: Combined rate = $1/18 + 1/24 = (42)/432$; time = $432/42 = 10.29$ days.

Q745. A vehicle travels at 60 km/h for 3.5 hours. What distance does it cover?

- (A) 240.0
- (B) 63.5
- (C) 17.14
- (D) 210

Answer: D

Explanation: Distance = speed x time = $60 \times 3.5 = 210$ km.

Q746. What is 12.5% of 360?

- (A) 81.0
- (B) 63.0
- (C) 27.0
- (D) 45

Answer: D

Explanation: 12.5% of 360 = $(12.5/100) \times 360 = 45$.

Q747. An item costs Rs. 250. At a profit of 25%, what is the selling price?

- (A) 300
- (B) 187.5
- (C) 275
- (D) 312.5

Answer: D

Explanation: Selling price = $250 \times (1 + 25/100) = \text{Rs. } 312.5$.

Q748. What is 20% of 300?

- (A) 45.0
- (B) 90.0
- (C) 60
- (D) 75.0

Answer: C

Explanation: 20% of 300 = $(20/100) \times 300 = 60$.

Q749. A can finish a work in 12 days and B in 18 days. In how many days can they finish it together?

- (A) 36.0
- (B) 6
- (C) 7.2
- (D) 15.0

Answer: C

Explanation: Combined rate = $1/12 + 1/18 = (30)/216$; time = $216/30 = 7.2$ days.

Q750. What is 20% of 180?

- (A) 54.0
- (B) 36
- (C) 45.0
- (D) 27.0

Answer: B

Explanation: 20% of 180 = $(20/100) \times 180 = 36$.

Q751. Find the simple interest on Rs. 2000 at 6% per annum for 3 years.

- (A) 360
- (B) 160
- (C) 560
- (D) 120

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{2000 \times 6 \times 3}{100} = \text{Rs. } 360.$

Q752. A vehicle travels at 45 km/h for 3.5 hours. What distance does it cover?

- (A) 48.5
- (B) 157.5
- (C) 12.86
- (D) 180.0

Answer: B

Explanation: Distance = speed x time = $45 \times 3.5 = 157.5$ km.

Q753. A vehicle travels at 72 km/h for 2.5 hours. What distance does it cover?

- (A) 216.0
- (B) 74.5
- (C) 180
- (D) 28.8

Answer: C

Explanation: Distance = speed x time = $72 \times 2.5 = 180$ km.

Q754. What is 40% of 300?

- (A) 120
- (B) 105.0
- (C) 150.0
- (D) 135.0

Answer: A

Explanation: 40% of 300 = $\frac{40}{100} \times 300 = 120.$

Q755. Find the average of 55, 28, 10, 23, 43.

- (A) 39.8
- (B) 31.8
- (C) 29.8
- (D) 33.8

Answer: B

Explanation: Average = sum / count = $159/5 = 31.8.$

Q756. Two quantities are in the ratio 5:7. If their total is 168, what is the first quantity?

- (A) 28
- (B) 98
- (C) 168
- (D) 70

Answer: D

Explanation: Total parts = 12. One part = $168/12 = 14$; first quantity = $5 \times 14 = 70.$

Q757. Find the simple interest on Rs. 1000 at 5% per annum for 2 years.

- (A) 1
- (B) 200
- (C) 50
- (D) 100

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 5 \times 2}{100} = \text{Rs. } 100.$

Q758. A vehicle travels at 45 km/h for 2 hours. What distance does it cover?

- (A) 22.5
- (B) 112.5
- (C) 90
- (D) 47

Answer: C

Explanation: Distance = speed x time = $45 \times 2 = 90$ km.

Q759. Two quantities are in the ratio 2:3. If their total is 50, what is the first quantity?

- (A) 10
- (B) 30
- (C) 50
- (D) 20

Answer: D

Explanation: Total parts = 5. One part = $50/5 = 10$; first quantity = $2 \times 10 = 20$.

Q760. Find the simple interest on Rs. 5000 at 5% per annum for 3 years.

- (A) 750
- (B) 1250
- (C) 324
- (D) 250

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{5000 \times 5 \times 3}{100} = \text{Rs. } 750.$

Q761. What is 20% of 180?

- (A) 27.0
- (B) 45.0
- (C) 54.0
- (D) 36

Answer: D

Explanation: 20% of 180 = $(20/100) \times 180 = 36$.

Q762. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?

- (A) 180
- (B) 11.25
- (C) 202.5
- (D) 49

Answer: A

Explanation: Distance = speed x time = $45 \times 4 = 180$ km.

Q763. An item costs Rs. 800. At a profit of 12%, what is the selling price?

- (A) 896
- (B) 704.0
- (C) 824
- (D) 812

Answer: A

Explanation: Selling price = $800 \times (1 + 12/100) = \text{Rs. } 896$.

Q764. A can finish a work in 6 days and B in 12 days. In how many days can they finish it together?

- (A) 9.0
- (B) 4.0
- (C) 6
- (D) 12.0

Answer: B

Explanation: Combined rate = $1/6 + 1/12 = (18)/72$; time = $72/18 = 4.0$ days.

Q765. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?

- (A) 7.5
- (B) 0
- (C) 15.0
- (D) 225.0

Answer: A

Explanation: Combined rate = $1/15 + 1/15 = (30)/225$; time = $225/30 = 7.5$ days.

Q766. Find the simple interest on Rs. 1200 at 5% per annum for 4 years.

- (A) 360
- (B) 60
- (C) 120
- (D) 240

Answer: D

Explanation: $SI = PRT/100 = 1200 \times 5 \times 4/100 = \text{Rs. } 240$.

Q767. Find the simple interest on Rs. 2000 at 12% per annum for 4 years.

- (A) 960
- (B) 760
- (C) 1160
- (D) 240

Answer: A

Explanation: $SI = PRT/100 = 2000 \times 12 \times 4/100 = \text{Rs. } 960$.

Q768. What is 30% of 300?

- (A) 105.0
- (B) 75.0
- (C) 90
- (D) 120.0

Answer: C

Explanation: 30% of 300 = $(30/100) \times 300 = 90$.

Q769. Two quantities are in the ratio 4:5. If their total is 153, what is the first quantity?

- (A) 153
- (B) 68
- (C) 17
- (D) 85

Answer: B

Explanation: Total parts = 9. One part = $153/9 = 17$; first quantity = $4 \times 17 = 68$.

Q770. Find the average of 36, 80, 80, 37, 74.

- (A) 63.4
- (B) 61.4
- (C) 59.4
- (D) 76.8

Answer: B

Explanation: Average = sum / count = $307/5 = 61.4$.

Q771. What is 12.5% of 240?

- (A) 18.0
- (B) 30
- (C) 42.0
- (D) 54.0

Answer: B

Explanation: 12.5% of 240 = $(12.5/100) \times 240 = 30$.

Q772. Find the average of 42, 27, 74, 78, 64.

- (A) 55
- (B) 71.2
- (C) 57
- (D) 59

Answer: C

Explanation: Average = sum / count = $285/5 = 57$.

Q773. An item costs Rs. 200. At a profit of 20%, what is the selling price?

- (A) 602
- (B) 220
- (C) 240
- (D) 160.0

Answer: C

Explanation: Selling price = $200 \times (1 + 20/100) = \text{Rs. } 240$.

Q774. Two quantities are in the ratio 3:5. If their total is 56, what is the first quantity?

- (A) 56
- (B) 21
- (C) 14
- (D) 35

Answer: B

Explanation: Total parts = 8. One part = $56/8 = 7$; first quantity = $3 \times 7 = 21$.

Q775. Find the average of 73, 37, 46, 33, 71.

- (A) 54
- (B) 50
- (C) 65.0
- (D) 52

Answer: D

Explanation: Average = sum / count = $260/5 = 52$.

Q776. Find the average of 32, 61, 72, 78, 71.

- (A) 60.8
- (B) 64.8
- (C) 78.5
- (D) 62.8

Answer: D

Explanation: Average = sum / count = $314/5 = 62.8$.

Q777. Find the average of 16, 23, 37, 53, 25.

- (A) 32.8
- (B) 38.5
- (C) 30.8
- (D) 28.8

Answer: C

Explanation: Average = sum / count = $154/5 = 30.8$.

Q778. A vehicle travels at 40 km/h for 3 hours. What distance does it cover?

- (A) 43
- (B) 140.0
- (C) 13.33
- (D) 120

Answer: D

Explanation: Distance = speed x time = $40 \times 3 = 120$ km.

Q779. An item costs Rs. 600. At a profit of 15%, what is the selling price?

- (A) 615
- (B) 690
- (C) 630
- (D) 510.0

Answer: B

Explanation: Selling price = $600 \times (1 + 15/100) = \text{Rs. } 690$.

Q780. What is 15% of 800?

- (A) 80.0
- (B) 120
- (C) 160.0
- (D) 200.0

Answer: B

Explanation: 15% of 800 = $(15/100) \times 800 = 120$.

Q781. A can finish a work in 6 days and B in 15 days. In how many days can they finish it together?

- (A) 4.29
- (B) 9
- (C) 10.0
- (D) 10.5

Answer: A

Explanation: Combined rate = $1/6 + 1/15 = (21)/90$; time = $90/21 = 4.29$ days.

Q782. What is 5% of 180?

- (A) 27.0
- (B) 0
- (C) 18.0
- (D) 9

Answer: D

Explanation: 5% of 180 = $(5/100) \times 180 = 9$.

Q783. Find the average of 23, 46, 62, 60, 66.

- (A) 53.4
- (B) 49.4
- (C) 64.2
- (D) 51.4

Answer: D

Explanation: Average = sum / count = $257/5 = 51.4$.

Q784. Find the simple interest on Rs. 1000 at 6% per annum for 2 years.

- (A) 220
- (B) 20
- (C) 60
- (D) 120

Answer: D

Explanation: SI = $PRT/100 = 1000 \times 6 \times 2/100 = \text{Rs. } 120$.

Q785. Find the average of 35, 33, 80, 27, 79.

- (A) 50.8
- (B) 52.8
- (C) 63.5
- (D) 48.8

Answer: A

Explanation: Average = sum / count = $254/5 = 50.8$.

Q786. Find the average of 14, 55, 47, 38, 64.

- (A) 54.5
- (B) 45.6
- (C) 41.6
- (D) 43.6

Answer: D

Explanation: Average = sum / count = $218/5 = 43.6$.

Q787. An item costs Rs. 800. At a profit of 20%, what is the selling price?

- (A) 640.0
- (B) 820
- (C) 840
- (D) 960

Answer: D

Explanation: Selling price = $800 \times (1 + 20/100) = \text{Rs. } 960$.

Q788. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?

- (A) 15.0
- (B) 0
- (C) 7.5
- (D) 225.0

Answer: C

Explanation: Combined rate = $1/15 + 1/15 = (30)/225$; time = $225/30 = 7.5$ days.

Q789. Find the simple interest on Rs. 2000 at 6% per annum for 2 years.

- (A) 40
- (B) 240
- (C) 120
- (D) 440

Answer: B

Explanation: $SI = PRT/100 = 2000 \times 6 \times 2/100 = \text{Rs. } 240$.

Q790. An item costs Rs. 250. At a profit of 10%, what is the selling price?

- (A) 260
- (B) 275
- (C) 225.0
- (D) 270

Answer: B

Explanation: Selling price = $250 \times (1 + 10/100) = \text{Rs. } 275$.

Q791. A can finish a work in 20 days and B in 30 days. In how many days can they finish it together?

- (A) 10
- (B) 60.0
- (C) 12.0
- (D) 25.0

Answer: C

Explanation: Combined rate = $1/20 + 1/30 = (50)/600$; time = $600/50 = 12.0$ days.

Q792. Two quantities are in the ratio 7:9. If their total is 96, what is the first quantity?

- (A) 54
- (B) 96
- (C) 42
- (D) 12

Answer: C

Explanation: Total parts = 16. One part = $96/16 = 6$; first quantity = $7 \times 6 = 42$.

Q793. Find the average of 22, 61, 65, 32, 27.

- (A) 41.4
- (B) 39.4
- (C) 43.4
- (D) 51.8

Answer: A

Explanation: Average = sum / count = $207/5 = 41.4$.

Q794. An item costs Rs. 300. At a profit of 20%, what is the selling price?

- (A) 320
- (B) 340
- (C) 360
- (D) 240.0

Answer: C

Explanation: Selling price = $300 \times (1 + 20/100) = \text{Rs. } 360$.

Q795. Find the average of 74, 12, 25, 68, 36.

- (A) 43
- (B) 53.8
- (C) 45
- (D) 41

Answer: A

Explanation: Average = sum / count = $215/5 = 43$.

Q796. A can finish a work in 12 days and B in 12 days. In how many days can they finish it together?

- (A) 0
- (B) 12.0
- (C) 6.0
- (D) 144.0

Answer: C

Explanation: Combined rate = $1/12 + 1/12 = (24)/144$; time = $144/24 = 6.0$ days.

Q797. A vehicle travels at 40 km/h for 2 hours. What distance does it cover?

- (A) 42
- (B) 80
- (C) 20.0
- (D) 100.0

Answer: B

Explanation: Distance = speed $\times$ time = $40 \times 2 = 80$ km.

Q798. Two quantities are in the ratio 7:9. If their total is 144, what is the first quantity?

- (A) 18
- (B) 81
- (C) 144
- (D) 63

Answer: D

Explanation: Total parts = 16. One part = $144/16 = 9$; first quantity = $7 \times 9 = 63$.

Q799. A vehicle travels at 50 km/h for 2.5 hours. What distance does it cover?

- (A) 150.0
- (B) 20.0
- (C) 125
- (D) 52.5

Answer: C

Explanation: Distance = speed x time = $50 \times 2.5 = 125$ km.

Q800. Find the average of 17, 53, 49, 79, 15.

- (A) 53.2
- (B) 40.6
- (C) 42.6
- (D) 44.6

Answer: C

Explanation: Average = sum / count = $213/5 = 42.6$.

Q801. Find the average of 30, 69, 19, 11, 43.

- (A) 43.0
- (B) 32.4
- (C) 36.4
- (D) 34.4

Answer: D

Explanation: Average = sum / count = $172/5 = 34.4$.

Q802. What is 5% of 120?

- (A) 0
- (B) 18.0
- (C) 6
- (D) 12.0

Answer: C

Explanation: 5% of 120 = $(5/100) \times 120 = 6$.

Q803. Find the simple interest on Rs. 2500 at 6% per annum for 3 years.

- (A) 200
- (B) 700
- (C) 450
- (D) 150

Answer: C

Explanation: SI = $PRT/100 = 2500 \times 6 \times 3/100 = \text{Rs. } 450$.

Q804. Two quantities are in the ratio 2:3. If their total is 85, what is the first quantity?

- (A) 17
- (B) 51
- (C) 85
- (D) 34

Answer: D

Explanation: Total parts = 5. One part = $85/5 = 17$; first quantity = $2 \times 17 = 34$.

Q805. An item costs Rs. 750. At a profit of 20%, what is the selling price?

- (A) 770
- (B) 900
- (C) 790
- (D) 600.0

Answer: B

Explanation: Selling price = $750 \times (1 + 20/100) = \text{Rs. } 900$.

Q806. What is 30% of 450?

- (A) 112.5
- (B) 135
- (C) 157.5
- (D) 180.0

Answer: B

Explanation: $30\% \text{ of } 450 = (30/100) \times 450 = 135$.

Q807. Find the average of 13, 55, 11, 69, 68.

- (A) 41.2
- (B) 45.2
- (C) 54.0
- (D) 43.2

Answer: D

Explanation: Average = sum / count = $216/5 = 43.2$.

Q808. A vehicle travels at 54 km/h for 2.5 hours. What distance does it cover?

- (A) 162.0
- (B) 56.5
- (C) 21.6
- (D) 135

Answer: D

Explanation: Distance = speed x time = $54 \times 2.5 = 135 \text{ km}$.

Q809. A vehicle travels at 60 km/h for 3 hours. What distance does it cover?

- (A) 63
- (B) 20.0
- (C) 210.0
- (D) 180

Answer: D

Explanation: Distance = speed x time = $60 \times 3 = 180 \text{ km}$.

Q810. A vehicle travels at 30 km/h for 2 hours. What distance does it cover?

- (A) 60
- (B) 32
- (C) 15.0
- (D) 75.0

Answer: A

Explanation: Distance = speed x time = $30 \times 2 = 60 \text{ km}$.

Q811. Two quantities are in the ratio 2:3. If their total is 50, what is the first quantity?

- (A) 20
- (B) 10
- (C) 50
- (D) 30

Answer: A

Explanation: Total parts = 5. One part = $50/5 = 10$; first quantity = $2 \times 10 = 20$.

Q812. Two quantities are in the ratio 4:5. If their total is 153, what is the first quantity?

- (A) 153
- (B) 17
- (C) 68
- (D) 85

Answer: C

Explanation: Total parts = 9. One part = $153/9 = 17$; first quantity = $4 \times 17 = 68$.

Q813. Two quantities are in the ratio 5:7. If their total is 204, what is the first quantity?

- (A) 85
- (B) 204
- (C) 34
- (D) 119

Answer: A

Explanation: Total parts = 12. One part = $204/12 = 17$; first quantity = $5 \times 17 = 85$.

Q814. An item costs Rs. 240. At a profit of 15%, what is the selling price?

- (A) 276
- (B) 204.0
- (C) 270
- (D) 255

Answer: A

Explanation: Selling price = $240 \times (1 + 15/100) = \text{Rs. } 276$.

Q815. Two quantities are in the ratio 3:4. If their total is 70, what is the first quantity?

- (A) 10
- (B) 30
- (C) 40
- (D) 70

Answer: B

Explanation: Total parts = 7. One part = $70/7 = 10$; first quantity = $3 \times 10 = 30$.

Q816. What is 15% of 250?

- (A) 50.0
- (B) 37.5
- (C) 25.0
- (D) 62.5

Answer: B

Explanation: 15% of 250 = $(15/100) \times 250 = 37.5$.

Q817. An item costs Rs. 400. At a profit of 30%, what is the selling price?

- (A) 520
- (B) 280.0
- (C) 460
- (D) 430

Answer: A

Explanation: Selling price = $400 \times (1 + 30/100) = \text{Rs. } 520$.

Q818. Find the simple interest on Rs. 4000 at 12% per annum for 3 years.

- (A) 1440
- (B) 1840
- (C) 480
- (D) 1040

Answer: A

Explanation: $SI = PRT/100 = 4000 \times 12 \times 3/100 = \text{Rs. } 1440$.

Q819. An item costs Rs. 200. At a profit of 15%, what is the selling price?

- (A) 215
- (B) 170.0
- (C) 230
- (D) 213

Answer: C

Explanation: Selling price = $200 \times (1 + 15/100) = \text{Rs. } 230$.

Q820. A can finish a work in 10 days and B in 30 days. In how many days can they finish it together?

- (A) 7.5
- (B) 20
- (C) 20.0
- (D) 15.0

Answer: A

Explanation: Combined rate = $1/10 + 1/30 = (40)/300$; time = $300/40 = 7.5$ days.

Q821. An item costs Rs. 500. At a profit of 10%, what is the selling price?

- (A) 520
- (B) 550
- (C) 450.0
- (D) 510

Answer: B

Explanation: Selling price = $500 \times (1 + 10/100) = \text{Rs. } 550$.

Q822. Find the simple interest on Rs. 2500 at 10% per annum for 3 years.

- (A) 750
- (B) 500
- (C) 250
- (D) 1000

Answer: A

Explanation: $SI = PRT/100 = 2500 \times 10 \times 3/100 = \text{Rs. } 750$.

Q823. What is 5% of 450?

- (A) 22.5
- (B) 45.0
- (C) 67.5
- (D) 0

Answer: A

Explanation: $5\% \text{ of } 450 = (5/100) \times 450 = 22.5$.

Q824. A vehicle travels at 40 km/h for 4 hours. What distance does it cover?

- (A) 10.0
- (B) 160
- (C) 44
- (D) 180.0

Answer: B

Explanation: Distance = speed $\times$ time = $40 \times 4 = 160$ km.

Q825. An item costs Rs. 500. At a profit of 10%, what is the selling price?

- (A) 550
- (B) 520
- (C) 510
- (D) 450.0

Answer: A

Explanation: Selling price = $500 \times (1 + 10/100) = \text{Rs. } 550$.

Q826. What is 40% of 400?

- (A) 160
- (B) 200.0
- (C) 180.0
- (D) 140.0

Answer: A

Explanation: $40\% \text{ of } 400 = (40/100) \times 400 = 160$.

Q827. What is 15% of 320?

- (A) 48
- (B) 80.0
- (C) 64.0
- (D) 32.0

Answer: A

Explanation: $15\% \text{ of } 320 = (15/100) \times 320 = 48$.

Q828. What is 5% of 320?

- (A) 32.0
- (B) 48.0
- (C) 16
- (D) 0

Answer: C

Explanation: $5\% \text{ of } 320 = (5/100) \times 320 = 16$.

Q829. Two quantities are in the ratio 3:4. If their total is 84, what is the first quantity?

- (A) 12
- (B) 48
- (C) 36
- (D) 84

Answer: C

Explanation: Total parts = 7. One part = $84/7 = 12$; first quantity = $3 \times 12 = 36$.

Q830. Find the average of 38, 67, 29, 42, 25.

- (A) 38.2
- (B) 40.2
- (C) 42.2
- (D) 50.2

Answer: B

Explanation: Average = sum / count = $201/5 = 40.2$.

Q831. Find the simple interest on Rs. 5000 at 10% per annum for 3 years.

- (A) 1500
- (B) 1000
- (C) 500
- (D) 2000

Answer: A

Explanation: $SI = PRT/100 = 5000 \times 10 \times 3/100 = \text{Rs. } 1500$.

Q832. A can finish a work in 12 days and B in 15 days. In how many days can they finish it together?

- (A) 6.67
- (B) 60.0
- (C) 13.5
- (D) 3

Answer: A

Explanation: Combined rate = $1/12 + 1/15 = (27)/180$; time = $180/27 = 6.67$ days.

Q833. A can finish a work in 15 days and B in 30 days. In how many days can they finish it together?

- (A) 22.5
- (B) 10.0
- (C) 30.0
- (D) 15

Answer: B

Explanation: Combined rate = $1/15 + 1/30 = (45)/450$; time = $450/45 = 10.0$ days.

Q834. An item costs Rs. 800. At a profit of 15%, what is the selling price?

- (A) 830
- (B) 815
- (C) 920
- (D) 680.0

Answer: C

Explanation: Selling price = $800 \times (1 + 15/100) = \text{Rs. } 920$.

Q835. A can finish a work in 18 days and B in 20 days. In how many days can they finish it together?

- (A) 19.0
- (B) 2
- (C) 180.0
- (D) 9.47

Answer: D

Explanation: Combined rate = $1/18 + 1/20 = (38)/360$; time = $360/38 = 9.47$ days.

Q836. A can finish a work in 10 days and B in 30 days. In how many days can they finish it together?

- (A) 20.0
- (B) 20
- (C) 7.5
- (D) 15.0

Answer: C

Explanation: Combined rate = $1/10 + 1/30 = (40)/300$; time = $300/40 = 7.5$ days.

Q837. Two quantities are in the ratio 3:5. If their total is 64, what is the first quantity?

- (A) 16
- (B) 24
- (C) 64
- (D) 40

Answer: B

Explanation: Total parts = 8. One part = $64/8 = 8$; first quantity = $3 \times 8 = 24$.

Q838. Find the simple interest on Rs. 2500 at 5% per annum for 2 years.

- (A) 1
- (B) 250
- (C) 500
- (D) 125

Answer: B

Explanation: $SI = PRT/100 = 2500 \times 5 \times 2/100 = \text{Rs. } 250$.

Q839. An item costs Rs. 300. At a profit of 30%, what is the selling price?

- (A) 210.0
- (B) 390
- (C) 360
- (D) 330

Answer: B

Explanation: Selling price = $300 \times (1 + 30/100) = \text{Rs. } 390$.

Q840. Find the simple interest on Rs. 2500 at 6% per annum for 3 years.

- (A) 450
- (B) 200
- (C) 700
- (D) 150

Answer: A

Explanation: $SI = PRT/100 = 2500 \times 6 \times 3/100 = \text{Rs. } 450$.

Q841. Find the simple interest on Rs. 5000 at 12% per annum for 2 years.

- (A) 1200
- (B) 1700
- (C) 700
- (D) 600

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{5000 \times 12 \times 2}{100} = \text{Rs. } 1200$.

Q842. What is 60% of 150?

- (A) 97.5
- (B) 105.0
- (C) 82.5
- (D) 90

Answer: D

Explanation: $60\% \text{ of } 150 = \frac{60}{100} \times 150 = 90$.

Q843. Find the simple interest on Rs. 4000 at 6% per annum for 4 years.

- (A) 240
- (B) 560
- (C) 960
- (D) 1360

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{4000 \times 6 \times 4}{100} = \text{Rs. } 960$.

Q844. Find the average of 75, 57, 43, 30, 46.

- (A) 52.2
- (B) 48.2
- (C) 50.2
- (D) 62.8

Answer: C

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{251}{5} = 50.2$.

Q845. Two quantities are in the ratio 7:9. If their total is 208, what is the first quantity?

- (A) 208
- (B) 26
- (C) 117
- (D) 91

Answer: D

Explanation: Total parts = 16. One part = $\frac{208}{16} = 13$; first quantity = $7 \times 13 = 91$.

Q846. Find the average of 41, 61, 79, 37, 19.

- (A) 47.4
- (B) 45.4
- (C) 49.4
- (D) 59.2

Answer: A

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{237}{5} = 47.4$.

Q847. Two quantities are in the ratio 5:7. If their total is 156, what is the first quantity?

- (A) 91
- (B) 65
- (C) 26
- (D) 156

Answer: B

Explanation: Total parts = 12. One part = $156/12 = 13$; first quantity = $5 \times 13 = 65$.

Q848. Find the average of 27, 31, 57, 30, 12.

- (A) 29.4
- (B) 39.2
- (C) 33.4
- (D) 31.4

Answer: D

Explanation: Average = sum / count = $157/5 = 31.4$.

Q849. A vehicle travels at 40 km/h for 2 hours. What distance does it cover?

- (A) 80
- (B) 100.0
- (C) 20.0
- (D) 42

Answer: A

Explanation: Distance = speed x time = $40 \times 2 = 80$ km.

Q850. What is 75% of 320?

- (A) 256.0
- (B) 272.0
- (C) 240
- (D) 224.0

Answer: C

Explanation: 75% of 320 = $(75/100) \times 320 = 240$.

Q851. A can finish a work in 12 days and B in 18 days. In how many days can they finish it together?

- (A) 15.0
- (B) 6
- (C) 36.0
- (D) 7.2

Answer: D

Explanation: Combined rate = $1/12 + 1/18 = (30)/216$; time = $216/30 = 7.2$ days.

Q852. What is 5% of 300?

- (A) 30.0
- (B) 0
- (C) 15
- (D) 45.0

Answer: C

Explanation: 5% of 300 = $(5/100) \times 300 = 15$.

Q853. An item costs Rs. 300. At a profit of 30%, what is the selling price?

- (A) 330
- (B) 210.0
- (C) 390
- (D) 360

Answer: C

Explanation: Selling price = $300 \times (1 + 30/100) = \text{Rs. } 390$.

Q854. Two quantities are in the ratio 3:5. If their total is 112, what is the first quantity?

- (A) 28
- (B) 70
- (C) 112
- (D) 42

Answer: D

Explanation: Total parts = 8. One part = $112/8 = 14$; first quantity = $3 \times 14 = 42$.

Q855. Find the simple interest on Rs. 1200 at 8% per annum for 2 years.

- (A) 312
- (B) 192
- (C) 72
- (D) 96

Answer: B

Explanation: $SI = PRT/100 = 1200 \times 8 \times 2/100 = \text{Rs. } 192$.

Q856. Find the average of 13, 79, 13, 23, 20.

- (A) 29.6
- (B) 37.0
- (C) 31.6
- (D) 27.6

Answer: A

Explanation: Average = sum / count = $148/5 = 29.6$.

Q857. An item costs Rs. 250. At a profit of 15%, what is the selling price?

- (A) 287.5
- (B) 265
- (C) 212.5
- (D) 280

Answer: A

Explanation: Selling price = $250 \times (1 + 15/100) = \text{Rs. } 287.5$.

Q858. An item costs Rs. 600. At a profit of 10%, what is the selling price?

- (A) 610
- (B) 540.0
- (C) 660
- (D) 620

Answer: C

Explanation: Selling price = $600 \times (1 + 10/100) = \text{Rs. } 660$.

Q859. What is 12.5% of 400?

- (A) 90.0
- (B) 50
- (C) 70.0
- (D) 30.0

Answer: B

Explanation: $12.5\% \text{ of } 400 = (12.5/100) \times 400 = 50.$

Q860. Two quantities are in the ratio 4:5. If their total is 90, what is the first quantity?

- (A) 50
- (B) 10
- (C) 90
- (D) 40

Answer: D

Explanation: Total parts = 9. One part = $90/9 = 10$; first quantity = $4 \times 10 = 40.$

Q861. Two quantities are in the ratio 4:5. If their total is 90, what is the first quantity?

- (A) 50
- (B) 40
- (C) 90
- (D) 10

Answer: B

Explanation: Total parts = 9. One part = $90/9 = 10$; first quantity = $4 \times 10 = 40.$

Q862. Find the simple interest on Rs. 1200 at 5% per annum for 2 years.

- (A) 60
- (B) 120
- (C) 240
- (D) 1

Answer: B

Explanation: $SI = PRT/100 = 1200 \times 5 \times 2/100 = \text{Rs. } 120.$

Q863. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

- (A) 140
- (B) 11.43
- (C) 160.0
- (D) 43.5

Answer: A

Explanation: Distance = speed $\times$ time = $40 \times 3.5 = 140 \text{ km}.$

Q864. Find the simple interest on Rs. 5000 at 5% per annum for 3 years.

- (A) 750
- (B) 250
- (C) 1250
- (D) 353

Answer: A

Explanation: $SI = PRT/100 = 5000 \times 5 \times 3/100 = \text{Rs. } 750.$

Q865. Find the simple interest on Rs. 1500 at 8% per annum for 3 years.

- (A) 510
- (B) 210
- (C) 360
- (D) 120

Answer: C

Explanation: $SI = \frac{PRT}{100} = 1500 \times 8 \times 3/100 = \text{Rs. } 360.$

Q866. A can finish a work in 12 days and B in 30 days. In how many days can they finish it together?

- (A) 8.57
- (B) 18
- (C) 20.0
- (D) 21.0

Answer: A

Explanation: Combined rate = $1/12 + 1/30 = (42)/360$; time = $360/42 = 8.57$ days.

Q867. A vehicle travels at 72 km/h for 2.5 hours. What distance does it cover?

- (A) 216.0
- (B) 28.8
- (C) 74.5
- (D) 180

Answer: D

Explanation: Distance = speed $\times$ time = $72 \times 2.5 = 180$ km.

Q868. A can finish a work in 10 days and B in 30 days. In how many days can they finish it together?

- (A) 20
- (B) 20.0
- (C) 7.5
- (D) 15.0

Answer: C

Explanation: Combined rate = $1/10 + 1/30 = (40)/300$; time = $300/40 = 7.5$ days.

Q869. What is 30% of 300?

- (A) 75.0
- (B) 120.0
- (C) 105.0
- (D) 90

Answer: D

Explanation: 30% of 300 = $(30/100) \times 300 = 90.$

Q870. Find the simple interest on Rs. 1500 at 5% per annum for 3 years.

- (A) 75
- (B) 225
- (C) 375
- (D) 513

Answer: B

Explanation: $SI = \frac{PRT}{100} = 1500 \times 5 \times 3/100 = \text{Rs. } 225.$

Q871. Find the simple interest on Rs. 5000 at 8% per annum for 4 years.

- (A) 2100
- (B) 1100
- (C) 1600
- (D) 400

Answer: C

Explanation: $SI = \frac{PRT}{100} = 5000 \times 8 \times 4/100 = \text{Rs. } 1600.$

Q872. A can finish a work in 8 days and B in 15 days. In how many days can they finish it together?

- (A) 17.14
- (B) 5.22
- (C) 7
- (D) 11.5

Answer: B

Explanation: Combined rate = $1/8 + 1/15 = (23)/120$; time = $120/23 = 5.22$ days.

Q873. Two quantities are in the ratio 2:3. If their total is 75, what is the first quantity?

- (A) 75
- (B) 15
- (C) 45
- (D) 30

Answer: D

Explanation: Total parts = 5. One part = $75/5 = 15$; first quantity = $2 \times 15 = 30$.

Q874. Find the average of 49, 65, 72, 80, 28.

- (A) 60.8
- (B) 56.8
- (C) 73.5
- (D) 58.8

Answer: D

Explanation: Average = sum / count = $294/5 = 58.8$.

Q875. A vehicle travels at 40 km/h for 3 hours. What distance does it cover?

- (A) 43
- (B) 120
- (C) 13.33
- (D) 140.0

Answer: B

Explanation: Distance = speed x time = $40 \times 3 = 120$ km.

Q876. A vehicle travels at 72 km/h for 2 hours. What distance does it cover?

- (A) 74
- (B) 36.0
- (C) 144
- (D) 180.0

Answer: C

Explanation: Distance = speed x time = $72 \times 2 = 144$ km.

Q877. Two quantities are in the ratio 5:7. If their total is 180, what is the first quantity?

- (A) 30
- (B) 105
- (C) 180
- (D) 75

Answer: D

Explanation: Total parts = 12. One part = $180/12 = 15$; first quantity = $5 \times 15 = 75$.

Q878. Two quantities are in the ratio 3:5. If their total is 40, what is the first quantity?

- (A) 10
- (B) 40
- (C) 15
- (D) 25

Answer: C

Explanation: Total parts = 8. One part = $40/8 = 5$; first quantity = $3 \times 5 = 15$.

Q879. Two quantities are in the ratio 7:9. If their total is 256, what is the first quantity?

- (A) 112
- (B) 256
- (C) 144
- (D) 32

Answer: A

Explanation: Total parts = 16. One part = $256/16 = 16$; first quantity = $7 \times 16 = 112$.

Q880. A vehicle travels at 50 km/h for 2.5 hours. What distance does it cover?

- (A) 20.0
- (B) 125
- (C) 150.0
- (D) 52.5

Answer: B

Explanation: Distance = speed $\times$ time = $50 \times 2.5 = 125$ km.

Q881. An item costs Rs. 400. At a profit of 12%, what is the selling price?

- (A) 448
- (B) 412
- (C) 352.0
- (D) 424

Answer: A

Explanation: Selling price = $400 \times (1 + 12/100) = \text{Rs. } 448$.

Q882. A can finish a work in 6 days and B in 20 days. In how many days can they finish it together?

- (A) 13.0
- (B) 14
- (C) 4.62
- (D) 8.57

Answer: C

Explanation: Combined rate = $1/6 + 1/20 = (26)/120$; time = $120/26 = 4.62$ days.

Q883. A can finish a work in 8 days and B in 20 days. In how many days can they finish it together?

- (A) 14.0
- (B) 12
- (C) 13.33
- (D) 5.71

Answer: D

Explanation: Combined rate = $\frac{1}{8} + \frac{1}{20} = \frac{28}{160}$; time = $\frac{160}{28} = 5.71$ days.

Q884. Two quantities are in the ratio 3:5. If their total is 80, what is the first quantity?

- (A) 80
- (B) 20
- (C) 30
- (D) 50

Answer: C

Explanation: Total parts = 8. One part = $80/8 = 10$; first quantity = $3 \times 10 = 30$.

Q885. A vehicle travels at 60 km/h for 3 hours. What distance does it cover?

- (A) 63
- (B) 180
- (C) 20.0
- (D) 210.0

Answer: B

Explanation: Distance = speed $\times$ time = $60 \times 3 = 180$ km.

Q886. Two quantities are in the ratio 2:3. If their total is 85, what is the first quantity?

- (A) 51
- (B) 34
- (C) 85
- (D) 17

Answer: B

Explanation: Total parts = 5. One part = $85/5 = 17$; first quantity = $2 \times 17 = 34$.

Q887. What is 35% of 800?

- (A) 280
- (B) 320.0
- (C) 240.0
- (D) 360.0

Answer: A

Explanation: 35% of 800 = $(35/100) \times 800 = 280$.

Q888. Two quantities are in the ratio 3:5. If their total is 120, what is the first quantity?

- (A) 30
- (B) 45
- (C) 75
- (D) 120

Answer: B

Explanation: Total parts = 8. One part = $120/8 = 15$; first quantity = $3 \times 15 = 45$.

Q889. Find the simple interest on Rs. 4000 at 12% per annum for 3 years.

- (A) 1040
- (B) 1840
- (C) 480
- (D) 1440

Answer: D

Explanation: $SI = \frac{PRT}{100} = 4000 \times 12 \times 3/100 = \text{Rs. } 1440$.

Q890. Find the average of 14, 26, 49, 26, 22.

- (A) 34.2
- (B) 29.4
- (C) 27.4
- (D) 25.4

Answer: C

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{137}{5} = 27.4$.

Q891. An item costs Rs. 320. At a profit of 12%, what is the selling price?

- (A) 281.6
- (B) 358.4
- (C) 332
- (D) 344

Answer: B

Explanation: $\text{Selling price} = 320 \times (1 + 12/100) = \text{Rs. } 358.4$.

Q892. Two quantities are in the ratio 2:3. If their total is 80, what is the first quantity?

- (A) 80
- (B) 16
- (C) 48
- (D) 32

Answer: D

Explanation: Total parts = 5. One part = $80/5 = 16$; first quantity = $2 \times 16 = 32$.

Q893. What is 60% of 800?

- (A) 560.0
- (B) 480
- (C) 520.0
- (D) 440.0

Answer: B

Explanation: $60\% \text{ of } 800 = (60/100) \times 800 = 480$.

Q894. A vehicle travels at 40 km/h for 2 hours. What distance does it cover?

- (A) 20.0
- (B) 100.0
- (C) 42
- (D) 80

Answer: D

Explanation: $\text{Distance} = \text{speed} \times \text{time} = 40 \times 2 = 80 \text{ km}$.

Q895. What is 10% of 480?

- (A) 24.0
- (B) 96.0
- (C) 48
- (D) 72.0

Answer: C

Explanation: 10% of 480 = $(10/100) \times 480 = 48$.

Q896. What is 30% of 400?

- (A) 120
- (B) 100.0
- (C) 140.0
- (D) 160.0

Answer: A

Explanation: 30% of 400 = $(30/100) \times 400 = 120$.

Q897. A vehicle travels at 54 km/h for 4 hours. What distance does it cover?

- (A) 58
- (B) 216
- (C) 243.0
- (D) 13.5

Answer: B

Explanation: Distance = speed $\times$ time = $54 \times 4 = 216$ km.

Q898. What is 15% of 600?

- (A) 150.0
- (B) 120.0
- (C) 90
- (D) 60.0

Answer: C

Explanation: 15% of 600 = $(15/100) \times 600 = 90$.

Q899. Find the simple interest on Rs. 1500 at 8% per annum for 2 years.

- (A) 240
- (B) 390
- (C) 90
- (D) 120

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{1500 \times 8 \times 2}{100} = \text{Rs. } 240$.

Q900. A can finish a work in 20 days and B in 30 days. In how many days can they finish it together?

- (A) 60.0
- (B) 12.0
- (C) 25.0
- (D) 10

Answer: B

Explanation: Combined rate = $\frac{1}{20} + \frac{1}{30} = \frac{50}{600}$; time = $\frac{600}{50} = 12.0$ days.

Q901. A vehicle travels at 72 km/h for 2 hours. What distance does it cover?

- (A) 36.0
- (B) 180.0
- (C) 144
- (D) 74

Answer: C

Explanation: Distance = speed x time = $72 \times 2 = 144$ km.

Q902. Find the simple interest on Rs. 1500 at 12% per annum for 3 years.

- (A) 690
- (B) 540
- (C) 390
- (D) 180

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{1500 \times 12 \times 3}{100} = \text{Rs. } 540$.

Q903. An item costs Rs. 600. At a profit of 10%, what is the selling price?

- (A) 660
- (B) 610
- (C) 540.0
- (D) 620

Answer: A

Explanation: Selling price = $600 \times (1 + 10/100) = \text{Rs. } 660$.

Q904. A can finish a work in 6 days and B in 18 days. In how many days can they finish it together?

- (A) 4.5
- (B) 12.0
- (C) 9.0
- (D) 12

Answer: A

Explanation: Combined rate = $\frac{1}{6} + \frac{1}{18} = \frac{(24)}{108}$; time = $\frac{108}{24} = 4.5$ days.

Q905. Find the average of 72, 44, 36, 65, 45.

- (A) 50.4
- (B) 54.4
- (C) 52.4
- (D) 65.5

Answer: C

Explanation: Average = sum / count = $\frac{262}{5} = 52.4$.

Q906. Two quantities are in the ratio 5:7. If their total is 84, what is the first quantity?

- (A) 84
- (B) 35
- (C) 14
- (D) 49

Answer: B

Explanation: Total parts = 12. One part = $\frac{84}{12} = 7$; first quantity = $5 \times 7 = 35$.

Q907. A can finish a work in 15 days and B in 24 days. In how many days can they finish it together?

- (A) 9.23
- (B) 19.5
- (C) 9
- (D) 40.0

Answer: A

Explanation: Combined rate = $1/15 + 1/24 = (39)/360$; time = $360/39 = 9.23$ days.

Q908. Find the average of 38, 48, 27, 31, 71.

- (A) 53.8
- (B) 45
- (C) 41
- (D) 43

Answer: D

Explanation: Average = sum / count = $215/5 = 43$.

Q909. An item costs Rs. 500. At a profit of 15%, what is the selling price?

- (A) 515
- (B) 530
- (C) 425.0
- (D) 575

Answer: D

Explanation: Selling price = $500 \times (1 + 15/100) = \text{Rs. } 575$.

Q910. Find the simple interest on Rs. 3000 at 8% per annum for 3 years.

- (A) 720
- (B) 240
- (C) 1020
- (D) 420

Answer: A

Explanation: $SI = PRT/100 = 3000 \times 8 \times 3/100 = \text{Rs. } 720$.

Q911. What is 15% of 320?

- (A) 64.0
- (B) 48
- (C) 32.0
- (D) 80.0

Answer: B

Explanation: 15% of 320 = $(15/100) \times 320 = 48$.

Q912. Find the simple interest on Rs. 3000 at 10% per annum for 4 years.

- (A) 1200
- (B) 900
- (C) 1500
- (D) 300

Answer: A

Explanation: $SI = PRT/100 = 3000 \times 10 \times 4/100 = \text{Rs. } 1200$.

Q913. Two quantities are in the ratio 2:3. If their total is 90, what is the first quantity?

- (A) 90
- (B) 36
- (C) 54
- (D) 18

Answer: B

Explanation: Total parts = 5. One part = $90/5 = 18$; first quantity = $2 \times 18 = 36$.

Q914. Two quantities are in the ratio 7:9. If their total is 144, what is the first quantity?

- (A) 81
- (B) 63
- (C) 144
- (D) 18

Answer: B

Explanation: Total parts = 16. One part = $144/16 = 9$; first quantity = $7 \times 9 = 63$.

Q915. A vehicle travels at 72 km/h for 3 hours. What distance does it cover?

- (A) 75
- (B) 216
- (C) 252.0
- (D) 24.0

Answer: B

Explanation: Distance = speed $\times$ time = $72 \times 3 = 216$ km.

Q916. An item costs Rs. 250. At a profit of 15%, what is the selling price?

- (A) 287.5
- (B) 265
- (C) 280
- (D) 212.5

Answer: A

Explanation: Selling price = $250 \times (1 + 15/100) = \text{Rs. } 287.5$.

Q917. What is 50% of 500?

- (A) 225.0
- (B) 250
- (C) 275.0
- (D) 300.0

Answer: B

Explanation: 50% of 500 = $(50/100) \times 500 = 250$.

Q918. Find the simple interest on Rs. 1200 at 6% per annum for 4 years.

- (A) 408
- (B) 72
- (C) 288
- (D) 168

Answer: C

Explanation: SI = $PRT/100 = 1200 \times 6 \times 4/100 = \text{Rs. } 288$.

Q919. A vehicle travels at 50 km/h for 4 hours. What distance does it cover?

- (A) 200
- (B) 12.5
- (C) 54
- (D) 225.0

Answer: A

Explanation: Distance = speed x time = $50 \times 4 = 200$ km.

Q920. An item costs Rs. 240. At a profit of 30%, what is the selling price?

- (A) 168.0
- (B) 270
- (C) 312
- (D) 300

Answer: C

Explanation: Selling price = $240 \times (1 + 30/100) = \text{Rs. } 312$.

Q921. Find the average of 74, 31, 65, 22, 57.

- (A) 49.8
- (B) 47.8
- (C) 62.2
- (D) 51.8

Answer: A

Explanation: Average = sum / count = $249/5 = 49.8$.

Q922. Find the simple interest on Rs. 4000 at 6% per annum for 4 years.

- (A) 240
- (B) 960
- (C) 560
- (D) 1360

Answer: B

Explanation: SI = $PRT/100 = 4000 \times 6 \times 4/100 = \text{Rs. } 960$.

Q923. Find the simple interest on Rs. 3000 at 6% per annum for 3 years.

- (A) 180
- (B) 240
- (C) 840
- (D) 540

Answer: D

Explanation: SI = $PRT/100 = 3000 \times 6 \times 3/100 = \text{Rs. } 540$.

Q924. Two quantities are in the ratio 3:4. If their total is 112, what is the first quantity?

- (A) 48
- (B) 16
- (C) 112
- (D) 64

Answer: A

Explanation: Total parts = 7. One part = $112/7 = 16$; first quantity = $3 \times 16 = 48$.

Q925. Find the average of 70, 17, 36, 74, 31.

- (A) 57.0
- (B) 47.6
- (C) 45.6
- (D) 43.6

Answer: C

Explanation: Average = sum / count = $228/5 = 45.6$.

Q926. Two quantities are in the ratio 4:5. If their total is 162, what is the first quantity?

- (A) 90
- (B) 162
- (C) 72
- (D) 18

Answer: C

Explanation: Total parts = 9. One part = $162/9 = 18$; first quantity = $4 \times 18 = 72$.

Q927. Find the simple interest on Rs. 1000 at 8% per annum for 2 years.

- (A) 60
- (B) 160
- (C) 260
- (D) 80

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 8 \times 2}{100} = \text{Rs. } 160$.

Q928. An item costs Rs. 240. At a profit of 30%, what is the selling price?

- (A) 312
- (B) 168.0
- (C) 300
- (D) 270

Answer: A

Explanation: Selling price = $240 \times (1 + \frac{30}{100}) = \text{Rs. } 312$.

Q929. An item costs Rs. 600. At a profit of 15%, what is the selling price?

- (A) 630
- (B) 690
- (C) 510.0
- (D) 615

Answer: B

Explanation: Selling price = $600 \times (1 + \frac{15}{100}) = \text{Rs. } 690$.

Q930. Find the simple interest on Rs. 2500 at 8% per annum for 4 years.

- (A) 1050
- (B) 200
- (C) 550
- (D) 800

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 8 \times 4}{100} = \text{Rs. } 800$.

Q931. What is 20% of 250?

- (A) 50
- (B) 62.5
- (C) 37.5
- (D) 75.0

Answer: A

Explanation: $20\% \text{ of } 250 = (20/100) \times 250 = 50$.

Q932. Find the simple interest on Rs. 1000 at 5% per annum for 4 years.

- (A) 50
- (B) 200
- (C) 100
- (D) 300

Answer: B

Explanation: $SI = PRT/100 = 1000 \times 5 \times 4/100 = \text{Rs. } 200$.

Q933. A vehicle travels at 50 km/h for 4 hours. What distance does it cover?

- (A) 54
- (B) 225.0
- (C) 200
- (D) 12.5

Answer: C

Explanation: $\text{Distance} = \text{speed} \times \text{time} = 50 \times 4 = 200 \text{ km}$.

Q934. Find the simple interest on Rs. 5000 at 10% per annum for 2 years.

- (A) 1500
- (B) 500
- (C) 486
- (D) 1000

Answer: D

Explanation: $SI = PRT/100 = 5000 \times 10 \times 2/100 = \text{Rs. } 1000$.

Q935. A can finish a work in 20 days and B in 18 days. In how many days can they finish it together?

- (A) 360.0
- (B) 9.47
- (C) 19.0
- (D) 2

Answer: B

Explanation: $\text{Combined rate} = 1/20 + 1/18 = (38)/360$; $\text{time} = 360/38 = 9.47 \text{ days}$.

Q936. A vehicle travels at 36 km/h for 3 hours. What distance does it cover?

- (A) 39
- (B) 12.0
- (C) 108
- (D) 126.0

Answer: C

Explanation: $\text{Distance} = \text{speed} \times \text{time} = 36 \times 3 = 108 \text{ km}$.

Q937. Find the simple interest on Rs. 2500 at 5% per annum for 4 years.

- (A) 750
- (B) 500
- (C) 250
- (D) 125

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 5 \times 4}{100} = \text{Rs. } 500.$

Q938. Two quantities are in the ratio 2:3. If their total is 25, what is the first quantity?

- (A) 25
- (B) 15
- (C) 5
- (D) 10

Answer: D

Explanation: Total parts = 5. One part = $25/5 = 5$; first quantity = $2 \times 5 = 10.$

Q939. An item costs Rs. 600. At a profit of 20%, what is the selling price?

- (A) 640
- (B) 620
- (C) 720
- (D) 480.0

Answer: C

Explanation: Selling price = $600 \times (1 + 20/100) = \text{Rs. } 720.$

Q940. Find the average of 69, 40, 30, 34, 23.

- (A) 37.2
- (B) 41.2
- (C) 49.0
- (D) 39.2

Answer: D

Explanation: Average = $\text{sum} / \text{count} = 196/5 = 39.2.$

Q941. A vehicle travels at 54 km/h for 2 hours. What distance does it cover?

- (A) 135.0
- (B) 27.0
- (C) 56
- (D) 108

Answer: D

Explanation: Distance = speed $\times$ time = $54 \times 2 = 108 \text{ km}.$

Q942. Two quantities are in the ratio 2:3. If their total is 70, what is the first quantity?

- (A) 28
- (B) 70
- (C) 42
- (D) 14

Answer: A

Explanation: Total parts = 5. One part = $70/5 = 14$; first quantity = $2 \times 14 = 28.$

Q943. An item costs Rs. 250. At a profit of 10%, what is the selling price?

- (A) 275
- (B) 260
- (C) 225.0
- (D) 270

Answer: A

Explanation: Selling price = $250 \times (1 + 10/100) = \text{Rs. } 275$.

Q944. Find the average of 27, 49, 60, 67, 39.

- (A) 60.5
- (B) 50.4
- (C) 46.4
- (D) 48.4

Answer: D

Explanation: Average = sum / count = $242/5 = 48.4$.

Q945. An item costs Rs. 400. At a profit of 12%, what is the selling price?

- (A) 412
- (B) 448
- (C) 352.0
- (D) 424

Answer: B

Explanation: Selling price = $400 \times (1 + 12/100) = \text{Rs. } 448$.

Q946. Find the simple interest on Rs. 1000 at 10% per annum for 3 years.

- (A) 100
- (B) 300
- (C) 200
- (D) 400

Answer: B

Explanation: $SI = PRT/100 = 1000 \times 10 \times 3/100 = \text{Rs. } 300$.

Q947. Find the simple interest on Rs. 5000 at 6% per annum for 2 years.

- (A) 600
- (B) 1100
- (C) 100
- (D) 300

Answer: A

Explanation: $SI = PRT/100 = 5000 \times 6 \times 2/100 = \text{Rs. } 600$.

Q948. An item costs Rs. 400. At a profit of 30%, what is the selling price?

- (A) 280.0
- (B) 430
- (C) 520
- (D) 460

Answer: C

Explanation: Selling price = $400 \times (1 + 30/100) = \text{Rs. } 520$.

Q949. Find the average of 58, 63, 71, 43, 38.

- (A) 54.6
- (B) 56.6
- (C) 52.6
- (D) 68.2

Answer: A

Explanation: Average = sum / count = $273/5 = 54.6$.

Q950. Find the average of 46, 78, 55, 50, 68.

- (A) 61.4
- (B) 57.4
- (C) 59.4
- (D) 74.2

Answer: C

Explanation: Average = sum / count = $297/5 = 59.4$.

Q951. Find the simple interest on Rs. 1200 at 6% per annum for 4 years.

- (A) 72
- (B) 168
- (C) 408
- (D) 288

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{1200 \times 6 \times 4}{100} = \text{Rs. } 288$.

Q952. What is 35% of 200?

- (A) 90.0
- (B) 70
- (C) 60.0
- (D) 80.0

Answer: B

Explanation: 35% of 200 = $(\frac{35}{100}) \times 200 = 70$.

Q953. What is 35% of 240?

- (A) 84
- (B) 72.0
- (C) 108.0
- (D) 96.0

Answer: A

Explanation: 35% of 240 = $(\frac{35}{100}) \times 240 = 84$.

Q954. Find the simple interest on Rs. 1000 at 12% per annum for 2 years.

- (A) 140
- (B) 240
- (C) 120
- (D) 340

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 12 \times 2}{100} = \text{Rs. } 240$.

Q955. A can finish a work in 20 days and B in 24 days. In how many days can they finish it together?

- (A) 120.0
- (B) 22.0
- (C) 4
- (D) 10.91

Answer: D

Explanation: Combined rate = $\frac{1}{20} + \frac{1}{24} = \frac{44}{480}$; time = $\frac{480}{44} = 10.91$ days.

Q956. What is 50% of 450?

- (A) 225
- (B) 202.5
- (C) 270.0
- (D) 247.5

Answer: A

Explanation: 50% of 450 = $(\frac{50}{100}) \times 450 = 225$.

Q957. Two quantities are in the ratio 3:5. If their total is 112, what is the first quantity?

- (A) 70
- (B) 28
- (C) 42
- (D) 112

Answer: C

Explanation: Total parts = 8. One part = $\frac{112}{8} = 14$; first quantity = $3 \times 14 = 42$.

Q958. An item costs Rs. 200. At a profit of 15%, what is the selling price?

- (A) 732
- (B) 230
- (C) 215
- (D) 170.0

Answer: B

Explanation: Selling price = $200 \times (1 + \frac{15}{100}) = \text{Rs. } 230$.

Q959. An item costs Rs. 750. At a profit of 10%, what is the selling price?

- (A) 825
- (B) 770
- (C) 760
- (D) 675.0

Answer: A

Explanation: Selling price = $750 \times (1 + \frac{10}{100}) = \text{Rs. } 825$.

Q960. Find the average of 30, 53, 24, 15, 52.

- (A) 32.8
- (B) 43.5
- (C) 36.8
- (D) 34.8

Answer: D

Explanation: Average = $\frac{\text{sum}}{\text{count}} = \frac{174}{5} = 34.8$.

Q961. Find the simple interest on Rs. 2500 at 12% per annum for 2 years.

- (A) 300
- (B) 850
- (C) 350
- (D) 600

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 12 \times 2}{100} = \text{Rs. } 600.$

Q962. Find the simple interest on Rs. 2500 at 8% per annum for 4 years.

- (A) 1050
- (B) 200
- (C) 800
- (D) 550

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 8 \times 4}{100} = \text{Rs. } 800.$

Q963. An item costs Rs. 600. At a profit of 10%, what is the selling price?

- (A) 610
- (B) 620
- (C) 660
- (D) 540.0

Answer: C

Explanation: Selling price = $600 \times (1 + \frac{10}{100}) = \text{Rs. } 660.$

Q964. An item costs Rs. 320. At a profit of 30%, what is the selling price?

- (A) 416
- (B) 350
- (C) 224.0
- (D) 380

Answer: A

Explanation: Selling price = $320 \times (1 + \frac{30}{100}) = \text{Rs. } 416.$

Q965. What is 50% of 320?

- (A) 160
- (B) 192.0
- (C) 176.0
- (D) 144.0

Answer: A

Explanation: $50\% \text{ of } 320 = \frac{50}{100} \times 320 = 160.$

Q966. Two quantities are in the ratio 3:4. If their total is 49, what is the first quantity?

- (A) 21
- (B) 28
- (C) 7
- (D) 49

Answer: A

Explanation: Total parts = 7. One part = $\frac{49}{7} = 7$; first quantity = $3 \times 7 = 21.$

Q967. A can finish a work in 8 days and B in 12 days. In how many days can they finish it together?

- (A) 24.0
- (B) 4
- (C) 4.8
- (D) 10.0

Answer: C

Explanation: Combined rate = $1/8 + 1/12 = (20)/96$; time = $96/20 = 4.8$ days.

Q968. A vehicle travels at 60 km/h for 3 hours. What distance does it cover?

- (A) 20.0
- (B) 63
- (C) 180
- (D) 210.0

Answer: C

Explanation: Distance = speed x time = $60 \times 3 = 180$ km.

Q969. Find the average of 64, 67, 58, 24, 44.

- (A) 51.4
- (B) 64.2
- (C) 53.4
- (D) 49.4

Answer: A

Explanation: Average = sum / count = $257/5 = 51.4$.

Q970. A vehicle travels at 45 km/h for 2.5 hours. What distance does it cover?

- (A) 135.0
- (B) 112.5
- (C) 18.0
- (D) 47.5

Answer: B

Explanation: Distance = speed x time = $45 \times 2.5 = 112.5$ km.

Q971. A vehicle travels at 30 km/h for 2 hours. What distance does it cover?

- (A) 60
- (B) 15.0
- (C) 75.0
- (D) 32

Answer: A

Explanation: Distance = speed x time = $30 \times 2 = 60$ km.

Q972. Find the average of 30, 28, 22, 19, 54.

- (A) 32.6
- (B) 38.2
- (C) 28.6
- (D) 30.6

Answer: D

Explanation: Average = sum / count = $153/5 = 30.6$.

Q973. Find the average of 66, 52, 52, 50, 31.

- (A) 50.2
- (B) 48.2
- (C) 62.8
- (D) 52.2

Answer: A

Explanation: Average = sum / count = $251/5 = 50.2$.

Q974. Find the average of 13, 66, 68, 13, 38.

- (A) 41.6
- (B) 37.6
- (C) 39.6
- (D) 49.5

Answer: C

Explanation: Average = sum / count = $198/5 = 39.6$.

Q975. A can finish a work in 18 days and B in 15 days. In how many days can they finish it together?

- (A) 3
- (B) 16.5
- (C) 270.0
- (D) 8.18

Answer: D

Explanation: Combined rate = $1/18 + 1/15 = (33)/270$; time = $270/33 = 8.18$ days.

Q976. A vehicle travels at 60 km/h for 2.5 hours. What distance does it cover?

- (A) 62.5
- (B) 180.0
- (C) 24.0
- (D) 150

Answer: D

Explanation: Distance = speed x time = $60 \times 2.5 = 150$ km.

Q977. Two quantities are in the ratio 7:9. If their total is 176, what is the first quantity?

- (A) 176
- (B) 77
- (C) 22
- (D) 99

Answer: B

Explanation: Total parts = 16. One part = $176/16 = 11$; first quantity = $7 \times 11 = 77$.

Q978. A can finish a work in 10 days and B in 20 days. In how many days can they finish it together?

- (A) 20.0
- (B) 6.67
- (C) 15.0
- (D) 10

Answer: B

Explanation: Combined rate = $1/10 + 1/20 = (30)/200$; time = $200/30 = 6.67$ days.

Q979. A vehicle travels at 30 km/h for 2.5 hours. What distance does it cover?

- (A) 75
- (B) 90.0
- (C) 32.5
- (D) 12.0

Answer: A

Explanation: Distance = speed x time = $30 \times 2.5 = 75$ km.

Q980. What is 60% of 360?

- (A) 198.0
- (B) 252.0
- (C) 216
- (D) 234.0

Answer: C

Explanation: 60% of 360 = $(60/100) \times 360 = 216$.

Q981. An item costs Rs. 400. At a profit of 12%, what is the selling price?

- (A) 448
- (B) 352.0
- (C) 412
- (D) 424

Answer: A

Explanation: Selling price = $400 \times (1 + 12/100) = \text{Rs. } 448$.

Q982. Find the simple interest on Rs. 3000 at 5% per annum for 4 years.

- (A) 600
- (B) 300
- (C) 900
- (D) 150

Answer: A

Explanation: SI = $PRT/100 = 3000 \times 5 \times 4/100 = \text{Rs. } 600$.

Q983. Find the simple interest on Rs. 5000 at 10% per annum for 3 years.

- (A) 2000
- (B) 1000
- (C) 500
- (D) 1500

Answer: D

Explanation: SI = $PRT/100 = 5000 \times 10 \times 3/100 = \text{Rs. } 1500$.

Q984. What is 10% of 480?

- (A) 72.0
- (B) 24.0
- (C) 96.0
- (D) 48

Answer: D

Explanation: 10% of 480 = $(10/100) \times 480 = 48$.

Q985. Two quantities are in the ratio 7:9. If their total is 256, what is the first quantity?

- (A) 256
- (B) 112
- (C) 32
- (D) 144

Answer: B

Explanation: Total parts = 16. One part = $256/16 = 16$; first quantity = $7 \times 16 = 112$.

Q986. Two quantities are in the ratio 4:5. If their total is 63, what is the first quantity?

- (A) 28
- (B) 7
- (C) 63
- (D) 35

Answer: A

Explanation: Total parts = 9. One part = $63/9 = 7$; first quantity = $4 \times 7 = 28$.

Q987. What is 15% of 360?

- (A) 36.0
- (B) 72.0
- (C) 54
- (D) 90.0

Answer: C

Explanation: 15% of 360 = $(15/100) \times 360 = 54$.

Q988. A can finish a work in 15 days and B in 30 days. In how many days can they finish it together?

- (A) 15
- (B) 22.5
- (C) 10.0
- (D) 30.0

Answer: C

Explanation: Combined rate = $1/15 + 1/30 = (45)/450$; time = $450/45 = 10.0$ days.

Q989. Find the simple interest on Rs. 2500 at 10% per annum for 2 years.

- (A) 192
- (B) 250
- (C) 500
- (D) 750

Answer: C

Explanation: $SI = PRT/100 = 2500 \times 10 \times 2/100 = \text{Rs. } 500$.

Q990. A can finish a work in 8 days and B in 24 days. In how many days can they finish it together?

- (A) 12.0
- (B) 16.0
- (C) 6.0
- (D) 16

Answer: C

Explanation: Combined rate = $1/8 + 1/24 = (32)/192$; time = $192/32 = 6.0$ days.

Q991. An item costs Rs. 300. At a profit of 20%, what is the selling price?

- (A) 320
- (B) 240.0
- (C) 340
- (D) 360

Answer: D

Explanation: Selling price = $300 \times (1 + 20/100) = \text{Rs. } 360$.

Q992. An item costs Rs. 240. At a profit of 20%, what is the selling price?

- (A) 260
- (B) 280
- (C) 192.0
- (D) 288

Answer: D

Explanation: Selling price = $240 \times (1 + 20/100) = \text{Rs. } 288$.

Q993. Two quantities are in the ratio 2:3. If their total is 90, what is the first quantity?

- (A) 90
- (B) 36
- (C) 18
- (D) 54

Answer: B

Explanation: Total parts = 5. One part = $90/5 = 18$; first quantity = $2 \times 18 = 36$.

Q994. A can finish a work in 15 days and B in 18 days. In how many days can they finish it together?

- (A) 90.0
- (B) 3
- (C) 8.18
- (D) 16.5

Answer: C

Explanation: Combined rate = $1/15 + 1/18 = (33)/270$; time = $270/33 = 8.18$ days.

Q995. What is 75% of 300?

- (A) 225
- (B) 240.0
- (C) 210.0
- (D) 255.0

Answer: A

Explanation: 75% of 300 = $(75/100) \times 300 = 225$.

Q996. A can finish a work in 8 days and B in 12 days. In how many days can they finish it together?

- (A) 4
- (B) 4.8
- (C) 10.0
- (D) 24.0

Answer: B

Explanation: Combined rate = $1/8 + 1/12 = (20)/96$; time = $96/20 = 4.8$ days.

Q997. Find the average of 34, 75, 73, 35, 64.

- (A) 56.2
- (B) 54.2
- (C) 58.2
- (D) 70.2

Answer: A

Explanation: Average = sum / count = $281/5 = 56.2$.

Q998. Find the simple interest on Rs. 1200 at 12% per annum for 4 years.

- (A) 144
- (B) 696
- (C) 456
- (D) 576

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{1200 \times 12 \times 4}{100} = \text{Rs. } 576$.

Q999. Find the average of 80, 53, 58, 46, 46.

- (A) 54.6
- (B) 56.6
- (C) 58.6
- (D) 70.8

Answer: B

Explanation: Average = sum / count = $283/5 = 56.6$.

Q1000. Find the average of 54, 72, 31, 72, 23.

- (A) 48.4
- (B) 52.4
- (C) 63.0
- (D) 50.4

Answer: D

Explanation: Average = sum / count = $252/5 = 50.4$.

End Note

Use this bank for timed practice, revision, and concept reinforcement. ExamGurux recommends checking the official notification for any change in syllabus, marking scheme, duration, or eligibility.

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