

EXAMGURUX

IBPS RRB XV 2026 - Office Assistant 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 numerical-ability structure into a 1000-question practice bank.

Section	Questions
Reasoning	500
Numerical Ability	500

Reasoning

Q1. 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.

Q2. A person walks 5 km north and then 4 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q3. A person walks 6 km north and then 3 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q4. 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.

Q5. 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.

Q6. 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.

Q7. A person walks 6 km north and then 4 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q8. Find the next number: 9, 18, 27, 36, 45, ?

- (A) 45
- (B) 54
- (C) 63
- (D) 72

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $45 + 9 = 54$.

Q9. 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.

Q10. 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.

Q11. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: B

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

Q12. 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.

Q13. Find the next number: 19, 26, 33, 40, 47, ?

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

Answer: A

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

Q14. 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.

Q15. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: B

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

Q16. 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.

Q17. A person walks 6 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q18. 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.

Q19. Find the next number: 5, 12, 19, 26, 33, ?

- (A) 33
- (B) 47
- (C) 40
- (D) 54

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $33 + 7 = 40$.

Q20. Find the next number: 19, 22, 25, 28, 31, ?

- (A) 37
- (B) 34
- (C) 31
- (D) 40

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $31 + 3 = 34$.

Q21. Find the next number: 13, 18, 23, 28, 33, ?

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

Answer: C

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

Q22. A person walks 10 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 10.77
- (B) 14
- (C) 12.77
- (D) 6

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 4^2} = 10.77$ km.

Q23. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: D

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

Q24. 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.

Q25. 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.

Q26. 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.

Q27. 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.

Q28. Find the next number: 17, 21, 25, 29, 33, ?

- (A) 37
- (B) 33
- (C) 45
- (D) 41

Answer: A

Explanation: The sequence increases by 4 each time, so the next number is $33 + 4 = 37$.

Q29. A person walks 7 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 12
- (B) 10.6
- (C) 2
- (D) 8.6

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 5^2} = 8.6$ km.

Q30. Find the next number: 4, 9, 14, 19, 24, ?

- (A) 29
- (B) 34
- (C) 39
- (D) 24

Answer: A

Explanation: The sequence increases by 5 each time, so the next number is $24 + 5 = 29$.

Q31. 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.

Q32. 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.

Q33. Find the next number: 17, 21, 25, 29, 33, ?

- (A) 37
- (B) 45
- (C) 33
- (D) 41

Answer: A

Explanation: The sequence increases by 4 each time, so the next number is $33 + 4 = 37$.

Q34. 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.

Q35. 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) 12
- (C) 8.49
- (D) 0

Answer: C

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

Q36. Find the next number: 6, 11, 16, 21, 26, ?

- (A) 36
- (B) 31
- (C) 41
- (D) 26

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $26 + 5 = 31$.

Q37. A person walks 3 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 4.24
- (B) 6
- (C) 6.24
- (D) 0

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 3^2} = 4.24$ km.

Q38. 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) 14
- (D) 12.3

Answer: A

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

Q39. A person walks 10 km north and then 3 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q40. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: B

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

Q41. 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.

Q42. 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.

Q43. 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.

Q44. 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.

Q45. 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 $\rightarrow$ DPEF.

Q46. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: A

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

Q47. 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) 3
- (C) 11
- (D) 8.06

Answer: D

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

Q48. 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.

Q49. 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.

Q50. 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.

Q51. Find the next number: 16, 22, 28, 34, 40, ?

- (A) 46
- (B) 40
- (C) 58
- (D) 52

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $40 + 6 = 46$.

Q52. Find the next number: 3, 12, 21, 30, 39, ?

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

Answer: D

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

Q53. 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.

Q54. 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.

Q55. 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
- (C) 5.0
- (D) 7.0

Answer: C

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

Q56. 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.

Q57. 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.

Q58. Find the next number: 18, 25, 32, 39, 46, ?

- (A) 60
- (B) 67
- (C) 53
- (D) 46

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $46 + 7 = 53$.

Q59. 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.

Q60. 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.

Q61. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: C

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

Q62. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

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

Answer: C

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

Q63. 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.

Q64. 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.

Q65. Find the next number: 9, 12, 15, 18, 21, ?

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

Answer: D

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

Q66. 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.

Q67. 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.

Q68. 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.

Q69. 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.

Q70. 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.

Q71. 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) 7
- (D) 5.0

Answer: D

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

Q72. 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.

Q73. 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.

Q74. 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.

Q75. 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.

Q76. 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.

Q77. 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.

Q78. 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.

Q79. 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.

Q80. 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.

Q81. 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.

Q82. 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.

Q83. Find the next number: 8, 16, 24, 32, 40, ?

- (A) 48
- (B) 64
- (C) 56
- (D) 40

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $40 + 8 = 48$.

Q84. 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.

Q85. 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.

Q86. 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.

Q87. 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.

Q88. A person walks 3 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q89. A person walks 6 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q90. 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.

Q91. Find the next number: 18, 21, 24, 27, 30, ?

- (A) 36
- (B) 33
- (C) 30
- (D) 39

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $30 + 3 = 33$.

Q92. Find the next number: 14, 16, 18, 20, 22, ?

- (A) 22
- (B) 24
- (C) 26
- (D) 28

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $22 + 2 = 24$.

Q93. A person walks 6 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q94. A person walks 10 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q95. A person walks 5 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 13.18
- (B) 15
- (C) 5
- (D) 11.18

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 10^2} = 11.18$ km.

Q96. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: C

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

Q97. 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.

Q98. 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.

Q99. 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.

Q100. 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.

Q101. 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) 16
- (C) 11.4
- (D) 2

Answer: C

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

Q102. A person walks 8 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q103. Find the next number: 6, 15, 24, 33, 42, ?

- (A) 51
- (B) 42
- (C) 69
- (D) 60

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $42 + 9 = 51$.

Q104. A person walks 6 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q105. Find the next number: 2, 8, 14, 20, 26, ?

- (A) 32
- (B) 26
- (C) 38
- (D) 44

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $26 + 6 = 32$.

Q106. Find the next number: 3, 6, 9, 12, 15, ?

- (A) 24
- (B) 15
- (C) 21
- (D) 18

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $15 + 3 = 18$.

Q107. 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.

Q108. Find the next number: 19, 22, 25, 28, 31, ?

- (A) 31
- (B) 37
- (C) 40
- (D) 34

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $31 + 3 = 34$.

Q109. 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.

Q110. 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.

Q111. 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.

Q112. Find the next number: 2, 4, 6, 8, 10, ?

- (A) 16
- (B) 12
- (C) 10
- (D) 14

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $10 + 2 = 12$.

Q113. 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.

Q114. Find the next number: 17, 24, 31, 38, 45, ?

- (A) 66
- (B) 52
- (C) 45
- (D) 59

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $45 + 7 = 52$.

Q115. 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.

Q116. A person walks 4 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q117. A person walks 4 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 5.66
- (B) 7.66
- (C) 0
- (D) 8

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 4^2} = 5.66$ km.

Q118. Find the next number: 20, 25, 30, 35, 40, ?

- (A) 40
- (B) 45
- (C) 55
- (D) 50

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $40 + 5 = 45$.

Q119. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: A

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

Q120. 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.

Q121. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: B

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

Q122. 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.

Q123. 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 -> NBUI.

Q124. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: A

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

Q125. 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.

Q126. 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.

Q127. 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.

Q128. 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 $27 + 2 = 29$.

Q129. Find the next number: 3, 9, 15, 21, 27, ?

- (A) 45
- (B) 39
- (C) 33
- (D) 27

Answer: C

Explanation: The sequence increases by 6 each time, so the next number is $27 + 6 = 33$.

Q130. Find the next number: 5, 14, 23, 32, 41, ?

- (A) 68
- (B) 50
- (C) 41
- (D) 59

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $41 + 9 = 50$.

Q131. 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.

Q132. 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.

Q133. A person walks 10 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 6
- (B) 12.77
- (C) 10.77
- (D) 14

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 4^2} = 10.77$ km.

Q134. 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.

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

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

Answer: A

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

Q136. A person walks 6 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q137. Find the next number: 14, 22, 30, 38, 46, ?

- (A) 54
- (B) 70
- (C) 62
- (D) 46

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $46 + 8 = 54$.

Q138. Find the next number: 16, 20, 24, 28, 32, ?

- (A) 36
- (B) 32
- (C) 40
- (D) 44

Answer: A

Explanation: The sequence increases by 4 each time, so the next number is $32 + 4 = 36$.

Q139. A person walks 7 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q140. 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.

Q141. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: C

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

Q142. A person walks 3 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q143. 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.

Q144. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: D

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

Q145. Find the next number: 11, 16, 21, 26, 31, ?

- (A) 46
- (B) 31
- (C) 41
- (D) 36

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $31 + 5 = 36$.

Q146. Find the next number: 5, 11, 17, 23, 29, ?

- (A) 47
- (B) 35
- (C) 29
- (D) 41

Answer: B

Explanation: The sequence increases by 6 each time, so the next number is $29 + 6 = 35$.

Q147. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: B

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

Q148. Find the next number: 5, 8, 11, 14, 17, ?

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

Answer: A

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

Q149. Find the next number: 18, 23, 28, 33, 38, ?

- (A) 53
- (B) 43
- (C) 38
- (D) 48

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $38 + 5 = 43$.

Q150. Find the next number: 19, 24, 29, 34, 39, ?

- (A) 44
- (B) 54
- (C) 39
- (D) 49

Answer: A

Explanation: The sequence increases by 5 each time, so the next number is $39 + 5 = 44$.

Q151. 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.

Q152. 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.

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

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

Answer: B

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

Q154. 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.

Q155. Find the next number: 6, 12, 18, 24, 30, ?

- (A) 30
- (B) 42
- (C) 36
- (D) 48

Answer: C

Explanation: The sequence increases by 6 each time, so the next number is $30 + 6 = 36$.

Q156. Find the next number: 16, 24, 32, 40, 48, ?

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

Answer: B

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

Q157. 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.

Q158. 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.

Q159. Find the next number: 4, 13, 22, 31, 40, ?

- (A) 49
- (B) 67
- (C) 40
- (D) 58

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $40 + 9 = 49$.

Q160. 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.

Q161. Find the next number: 6, 14, 22, 30, 38, ?

- (A) 38
- (B) 46
- (C) 54
- (D) 62

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $38 + 8 = 46$.

Q162. Find the next number: 2, 9, 16, 23, 30, ?

- (A) 37
- (B) 51
- (C) 30
- (D) 44

Answer: A

Explanation: The sequence increases by 7 each time, so the next number is $30 + 7 = 37$.

Q163. 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.

Q164. 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.

Q165. 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.

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

- (A) 6
- (B) 6.24
- (C) 0
- (D) 4.24

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 3^2} = 4.24$ km.

Q167. A person walks 3 km north and then 5 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 = $\sqrt{3^2 + 5^2} = 5.83$ km.

Q168. A person walks 5 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q169. 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.

Q170. A person walks 8 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q171. 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 $\rightarrow$ DPEF.

Q172. Find the next number: 10, 19, 28, 37, 46, ?

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

Answer: D

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

Q173. 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.

Q174. 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 $\rightarrow$ EPH.

Q175. 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.

Q176. 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.

Q177. 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.

Q178. Find the next number: 9, 14, 19, 24, 29, ?

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

Answer: C

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

Q179. A person walks 4 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q180. Find the next number: 20, 27, 34, 41, 48, ?

- (A) 62
- (B) 48
- (C) 55
- (D) 69

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $48 + 7 = 55$.

Q181. Find the next number: 7, 10, 13, 16, 19, ?

- (A) 19
- (B) 22
- (C) 28
- (D) 25

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $19 + 3 = 22$.

Q182. A person walks 5 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q183. Find the next number: 18, 20, 22, 24, 26, ?

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

Answer: A

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

Q184. 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.

Q185. 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.

Q186. A person walks 7 km north and then 6 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 = $\sqrt{7^2 + 6^2} = 9.22$ km.

Q187. 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.

Q188. 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.

Q189. Find the next number: 3, 8, 13, 18, 23, ?

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

Answer: C

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

Q190. 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.

Q191. Find the next number: 10, 13, 16, 19, 22, ?

- (A) 31
- (B) 22
- (C) 25
- (D) 28

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $22 + 3 = 25$.

Q192. 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.

Q193. 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.

Q194. Find the next number: 9, 14, 19, 24, 29, ?

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

Answer: B

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

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

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

Answer: D

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

Q196. 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.

Q197. 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) 6
- (C) 9.49
- (D) 12

Answer: C

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

Q198. A person walks 9 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q199. Find the next number: 18, 22, 26, 30, 34, ?

- (A) 46
- (B) 34
- (C) 38
- (D) 42

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $34 + 4 = 38$.

Q200. 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.

Q201. 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.

Q202. 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.

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: 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.

Q205. 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.

Q206. 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.

Q207. Find the next number: 18, 23, 28, 33, 38, ?

- (A) 43
- (B) 38
- (C) 48
- (D) 53

Answer: A

Explanation: The sequence increases by 5 each time, so the next number is $38 + 5 = 43$.

Q208. A person walks 5 km north and then 4 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q209. Find the next number: 7, 10, 13, 16, 19, ?

- (A) 28
- (B) 19
- (C) 22
- (D) 25

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $19 + 3 = 22$.

Q210. Find the next number: 7, 12, 17, 22, 27, ?

- (A) 42
- (B) 32
- (C) 37
- (D) 27

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $27 + 5 = 32$.

Q211. 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.

Q212. Find the next number: 19, 27, 35, 43, 51, ?

- (A) 51
- (B) 67
- (C) 59
- (D) 75

Answer: C

Explanation: The sequence increases by 8 each time, so the next number is $51 + 8 = 59$.

Q213. Find the next number: 8, 12, 16, 20, 24, ?

- (A) 24
- (B) 28
- (C) 32
- (D) 36

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $24 + 4 = 28$.

Q214. 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) 9.22
- (D) 1

Answer: C

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

Q215. 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.

Q216. 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.

Q217. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: A

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

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

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

Answer: B

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

Q219. 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.

Q220. 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) 8
- (D) 5.83

Answer: D

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

Q221. A person walks 7 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 0
- (B) 14
- (C) 11.9
- (D) 9.9

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 7^2} = 9.9$ km.

Q222. Find the next number: 19, 23, 27, 31, 35, ?

- (A) 39
- (B) 47
- (C) 43
- (D) 35

Answer: A

Explanation: The sequence increases by 4 each time, so the next number is $35 + 4 = 39$.

Q223. 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.

Q224. A person walks 8 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q225. Find the next number: 13, 20, 27, 34, 41, ?

- (A) 41
- (B) 48
- (C) 62
- (D) 55

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $41 + 7 = 48$.

Q226. 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.

Q227. 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.

Q228. 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.

Q229. A person walks 3 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q230. A person walks 4 km north and then 3 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q231. 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.

Q232. Find the next number: 6, 14, 22, 30, 38, ?

- (A) 38
- (B) 54
- (C) 46
- (D) 62

Answer: C

Explanation: The sequence increases by 8 each time, so the next number is $38 + 8 = 46$.

Q233. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

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

Answer: A

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

Q234. 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.

Q235. 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.

Q236. 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) 19
- (C) 13.45
- (D) 1

Answer: C

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

Q237. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: B

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

Q238. 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.

Q239. Find the next number: 20, 25, 30, 35, 40, ?

- (A) 40
- (B) 45
- (C) 55
- (D) 50

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $40 + 5 = 45$.

Q240. 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.

Q241. 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.

Q242. A person walks 8 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q243. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: B

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

Q244. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: A

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

Q245. 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.

Q246. 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 → NBUI.

Q247. 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.

Q248. Find the next number: 4, 9, 14, 19, 24, ?

- (A) 39
- (B) 34
- (C) 24
- (D) 29

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $24 + 5 = 29$.

Q249. 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.

Q250. A person walks 5 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 15
- (B) 13.18
- (C) 5
- (D) 11.18

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 10^2} = 11.18$ km.

Q251. A person walks 8 km north and then 6 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 = $\sqrt{8^2 + 6^2} = 10.0$ km.

Q252. 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.

Q253. 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.

Q254. 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.

Q255. Find the next number: 11, 18, 25, 32, 39, ?

- (A) 39
- (B) 53
- (C) 60
- (D) 46

Answer: D

Explanation: The sequence increases by 7 each time, so the next number is $39 + 7 = 46$.

Q256. Find the next number: 9, 18, 27, 36, 45, ?

- (A) 45
- (B) 54
- (C) 72
- (D) 63

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $45 + 9 = 54$.

Q257. 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.

Q258. 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.

Q259. 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) 11.43
- (D) 9.43

Answer: D

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

Q260. Find the next number: 13, 16, 19, 22, 25, ?

- (A) 31
- (B) 25
- (C) 28
- (D) 34

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $25 + 3 = 28$.

Q261. A person walks 10 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 14
- (B) 10.77
- (C) 12.77
- (D) 6

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 4^2} = 10.77$ km.

Q262. A person walks 7 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q263. 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.

Q264. 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.

Q265. Find the next number: 5, 10, 15, 20, 25, ?

- (A) 40
- (B) 25
- (C) 35
- (D) 30

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $25 + 5 = 30$.

Q266. 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.

Q267. 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.

Q268. Find the next number: 6, 14, 22, 30, 38, ?

- (A) 46
- (B) 54
- (C) 38
- (D) 62

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $38 + 8 = 46$.

Q269. Find the next number: 13, 18, 23, 28, 33, ?

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

Answer: C

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

Q270. A person walks 6 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q271. 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.

Q272. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: C

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

Q273. 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.

Q274. 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.

Q275. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q276. 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.

Q277. 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.

Q278. 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.

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: 8, 10, 12, 14, 16, ?

- (A) 20
- (B) 22
- (C) 16
- (D) 18

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $16 + 2 = 18$.

Q281. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q282. 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.

Q283. 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 $33 + 5 = 38$.

Q284. Find the next number: 5, 8, 11, 14, 17, ?

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

Answer: D

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

Q285. 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.

Q286. 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.

Q287. 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.

Q288. Find the next number: 12, 18, 24, 30, 36, ?

- (A) 42
- (B) 36
- (C) 48
- (D) 54

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $36 + 6 = 42$.

Q289. 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.

Q290. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: A

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

Q291. 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.

Q292. A person walks 9 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 5
- (B) 13
- (C) 11.85
- (D) 9.85

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 4^2} = 9.85$ km.

Q293. Find the next number: 4, 10, 16, 22, 28, ?

- (A) 34
- (B) 46
- (C) 28
- (D) 40

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $28 + 6 = 34$.

Q294. 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.

Q295. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: B

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

Q296. 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.

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. 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.

Q299. 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.

Q300. 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.

Q301. Find the next number: 7, 10, 13, 16, 19, ?

- (A) 19
- (B) 25
- (C) 22
- (D) 28

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $19 + 3 = 22$.

Q302. 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.

Q303. 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.

Q304. 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.

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. 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 $\rightarrow$ EPH.

Q307. 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.

Q308. Find the next number: 2, 5, 8, 11, 14, ?

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

Answer: D

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

Q309. Find the next number: 19, 21, 23, 25, 27, ?

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

Answer: A

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

Q310. 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.

Q311. 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.

Q312. Find the next number: 18, 25, 32, 39, 46, ?

- (A) 60
- (B) 53
- (C) 67
- (D) 46

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $46 + 7 = 53$.

Q313. Find the next number: 3, 10, 17, 24, 31, ?

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

Answer: A

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

Q314. 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.

Q315. 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) 1
- (C) 10.63
- (D) 15

Answer: C

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

Q316. A person walks 7 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q317. Find the next number: 14, 18, 22, 26, 30, ?

- (A) 30
- (B) 34
- (C) 38
- (D) 42

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $30 + 4 = 34$.

Q318. 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.

Q319. A person walks 9 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 5
- (B) 11.85
- (C) 9.85
- (D) 13

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 4^2} = 9.85$ km.

Q320. A person walks 6 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q321. Find the next number: 15, 17, 19, 21, 23, ?

- (A) 25
- (B) 29
- (C) 27
- (D) 23

Answer: A

Explanation: The sequence increases by 2 each time, so the next number is $23 + 2 = 25$.

Q322. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: D

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

Q323. 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.

Q324. 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 $\rightarrow$ NBUI.

Q325. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

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

Answer: A

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

Q326. 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) 10.54
- (D) 8.54

Answer: D

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

Q327. A person walks 3 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q328. 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.

Q329. 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.

Q330. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: B

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

Q331. Find the next number: 19, 26, 33, 40, 47, ?

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

Answer: D

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

Q332. A person walks 7 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 8^2} = 10.63$ 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. A person walks 8 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 2
- (B) 14
- (C) 10.0
- (D) 12.0

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 6^2} = 10.0$ km.

Q335. 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.

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: 17, 23, 29, 35, 41, ?

- (A) 47
- (B) 53
- (C) 59
- (D) 41

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $41 + 6 = 47$.

Q338. 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) 11.18
- (C) 5
- (D) 15

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 5^2} = 11.18$ km.

Q339. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: B

Explanation: Shift each letter forward by one: BANK $\rightarrow$ CBOL.

Q340. Find the next number: 8, 12, 16, 20, 24, ?

- (A) 24
- (B) 28
- (C) 36
- (D) 32

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $24 + 4 = 28$.

Q341. 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.

Q342. 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.

Q343. 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.

Q344. 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.

Q345. 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.

Q346. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

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 DOG coded?

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

Answer: C

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

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

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

Answer: A

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

Q350. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: D

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

Q351. 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.

Q352. Find the next number: 17, 24, 31, 38, 45, ?

- (A) 52
- (B) 66
- (C) 45
- (D) 59

Answer: A

Explanation: The sequence increases by 7 each time, so the next number is $45 + 7 = 52$.

Q353. 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.

Q354. 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.

Q355. 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.

Q356. 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.

Q357. Find the next number: 12, 20, 28, 36, 44, ?

- (A) 60
- (B) 68
- (C) 52
- (D) 44

Answer: C

Explanation: The sequence increases by 8 each time, so the next number is $44 + 8 = 52$.

Q358. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: C

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

Q359. Find the next number: 4, 9, 14, 19, 24, ?

- (A) 39
- (B) 29
- (C) 24
- (D) 34

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $24 + 5 = 29$.

Q360. 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.

Q361. 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.

Q362. 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.

Q363. Find the next number: 19, 21, 23, 25, 27, ?

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

Answer: D

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

Q364. 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.

Q365. 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.

Q366. 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.

Q367. A person walks 5 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 7.07
- (B) 9.07
- (C) 0
- (D) 10

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 5^2} = 7.07$ km.

Q368. 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.

Q369. A person walks 4 km north and then 3 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 = $\sqrt{4^2 + 3^2} = 5.0$ km.

Q370. 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.

Q371. 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.

Q372. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: B

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

Q373. A person walks 8 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q374. Find the next number: 16, 23, 30, 37, 44, ?

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

Answer: C

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

Q375. 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.

Q376. 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.

Q377. 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.

Q378. 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) 12
- (C) 6
- (D) 9.49

Answer: D

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

Q379. A person walks 4 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 5
- (B) 11.85
- (C) 13
- (D) 9.85

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 9^2} = 9.85$ km.

Q380. A person walks 7 km north and then 3 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q381. 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.

Q382. 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.

Q383. Find the next number: 10, 19, 28, 37, 46, ?

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

Answer: D

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

Q384. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: A

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

Q385. 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.

Q386. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: C

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

Q387. Find the next number: 16, 20, 24, 28, 32, ?

- (A) 36
- (B) 32
- (C) 40
- (D) 44

Answer: A

Explanation: The sequence increases by 4 each time, so the next number is $32 + 4 = 36$.

Q388. Find the next number: 10, 16, 22, 28, 34, ?

- (A) 46
- (B) 34
- (C) 52
- (D) 40

Answer: D

Explanation: The sequence increases by 6 each time, so the next number is $34 + 6 = 40$.

Q389. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: C

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

Q390. 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.

Q391. 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) 7.62
- (D) 9.62

Answer: C

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

Q392. 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.

Q393. A person walks 9 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q394. 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.

Q395. 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.

Q396. Find the next number: 5, 12, 19, 26, 33, ?

- (A) 33
- (B) 40
- (C) 47
- (D) 54

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $33 + 7 = 40$.

Q397. 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.

Q398. Find the next number: 14, 20, 26, 32, 38, ?

- (A) 50
- (B) 44
- (C) 56
- (D) 38

Answer: B

Explanation: The sequence increases by 6 each time, so the next number is $38 + 6 = 44$.

Q399. Find the next number: 18, 23, 28, 33, 38, ?

- (A) 48
- (B) 43
- (C) 38
- (D) 53

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $38 + 5 = 43$.

Q400. 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.

Q401. 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) 15
- (D) 13.18

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 10^2} = 11.18$ km.

Q402. Find the next number: 20, 29, 38, 47, 56, ?

- (A) 65
- (B) 74
- (C) 83
- (D) 56

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $56 + 9 = 65$.

Q403. 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.

Q404. 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.

Q405. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

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

Answer: B

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

Q406. 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.

Q407. 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.

Q408. 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.

Q409. 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.

Q410. 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.

Q411. A person walks 8 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 12
- (B) 4
- (C) 8.94
- (D) 10.94

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 4^2} = 8.94$ km.

Q412. Find the next number: 16, 21, 26, 31, 36, ?

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

Answer: B

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

Q413. Find the next number: 6, 13, 20, 27, 34, ?

- (A) 41
- (B) 34
- (C) 55
- (D) 48

Answer: A

Explanation: The sequence increases by 7 each time, so the next number is $34 + 7 = 41$.

Q414. 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.

Q415. A person walks 6 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 5^2} = 7.81$ 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. Find the next number: 9, 14, 19, 24, 29, ?

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

Answer: C

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

Q418. 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.

Q419. 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.

Q420. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: C

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

Q421. Find the next number: 13, 18, 23, 28, 33, ?

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

Answer: D

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

Q422. 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 $\rightarrow$ EPH.

Q423. 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.

Q424. 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.

Q425. 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.

Q426. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q427. 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.

Q428. Find the next number: 20, 28, 36, 44, 52, ?

- (A) 52
- (B) 60
- (C) 76
- (D) 68

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $52 + 8 = 60$.

Q429. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: C

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

Q430. 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.

Q431. 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.

Q432. 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.

Q433. 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.

Q434. 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.

Q435. A person walks 3 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q436. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: D

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

Q437. 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.

Q438. A person walks 4 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 6^2} = 7.21$ 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) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

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

Q441. 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.

Q442. A person walks 3 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q443. 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.

Q444. A person walks 4 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q445. 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.

Q446. 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.

Q447. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: C

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

Q448. Find the next number: 16, 20, 24, 28, 32, ?

- (A) 32
- (B) 36
- (C) 44
- (D) 40

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $32 + 4 = 36$.

Q449. 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.

Q450. 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.

Q451. 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.

Q452. 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.

Q453. 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.

Q454. 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.

Q455. A person walks 7 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q456. 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) 11
- (C) 8.06
- (D) 3

Answer: C

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

Q457. A person walks 3 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q458. A person walks 8 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q459. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: B

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

Q460. 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.

Q461. 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.

Q462. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: A

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

Q463. Find the next number: 6, 13, 20, 27, 34, ?

- (A) 34
- (B) 41
- (C) 48
- (D) 55

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $34 + 7 = 41$.

Q464. 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.

Q465. Find the next number: 10, 18, 26, 34, 42, ?

- (A) 50
- (B) 58
- (C) 42
- (D) 66

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $42 + 8 = 50$.

Q466. 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.

Q467. 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.

Q468. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: B

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

Q469. Find the next number: 12, 17, 22, 27, 32, ?

- (A) 37
- (B) 47
- (C) 32
- (D) 42

Answer: A

Explanation: The sequence increases by 5 each time, so the next number is $32 + 5 = 37$.

Q470. 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.

Q471. 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.

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. 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.

Q474. 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.

Q475. 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.

Q476. Find the next number: 20, 24, 28, 32, 36, ?

- (A) 40
- (B) 48
- (C) 44
- (D) 36

Answer: A

Explanation: The sequence increases by 4 each time, so the next number is $36 + 4 = 40$.

Q477. A person walks 10 km north and then 3 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q478. 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) 11.18
- (D) 13.18

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 5^2} = 11.18$ km.

Q479. 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 $\rightarrow$ NBUI.

Q480. Find the next number: 13, 18, 23, 28, 33, ?

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

Answer: D

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

Q481. Find the next number: 13, 16, 19, 22, 25, ?

- (A) 25
- (B) 31
- (C) 34
- (D) 28

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $25 + 3 = 28$.

Q482. 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.

Q483. A person walks 6 km north and then 3 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q484. A person walks 4 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 5
- (B) 13
- (C) 11.85
- (D) 9.85

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 9^2} = 9.85$ km.

Q485. A person walks 4 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 10.94
- (B) 12
- (C) 8.94
- (D) 4

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 8^2} = 8.94$ km.

Q486. 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) 14
- (C) 4
- (D) 12.3

Answer: A

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

Q487. 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.

Q488. 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.

Q489. A person walks 4 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q490. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: A

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

Q491. 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.

Q492. 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.

Q493. 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.

Q494. A person walks 6 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q495. 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.

Q496. A person walks 6 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q497. 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.

Q498. Find the next number: 13, 19, 25, 31, 37, ?

- (A) 43
- (B) 49
- (C) 37
- (D) 55

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $37 + 6 = 43$.

Q499. 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.

Q500. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: D

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

Numerical Ability

Q501. An item costs Rs. 250. At a profit of 30%, what is the selling price?

- (A) 175.0
- (B) 310
- (C) 280
- (D) 325

Answer: D

Explanation: Selling price = $250 \times (1 + 30/100)$ = Rs. 325.

Q502. An item costs Rs. 800. At a profit of 25%, what is the selling price?

- (A) 850
- (B) 600.0
- (C) 825
- (D) 1000

Answer: D

Explanation: Selling price = $800 \times (1 + 25/100)$ = Rs. 1000.

Q503. Find the average of 25, 15, 17, 61, 36.

- (A) 32.8
- (B) 30.8
- (C) 38.5
- (D) 28.8

Answer: B

Explanation: Average = sum / count = $154/5$ = 30.8.

Q504. A vehicle travels at 72 km/h for 3 hours. What distance does it cover?

- (A) 75
- (B) 252.0
- (C) 216
- (D) 24.0

Answer: C

Explanation: Distance = speed x time = 72×3 = 216 km.

Q505. A vehicle travels at 30 km/h for 3 hours. What distance does it cover?

- (A) 33
- (B) 90
- (C) 10.0
- (D) 105.0

Answer: B

Explanation: Distance = speed x time = $30 \times 3 = 90$ km.

Q506. A vehicle travels at 50 km/h for 4 hours. What distance does it cover?

- (A) 200
- (B) 54
- (C) 12.5
- (D) 225.0

Answer: A

Explanation: Distance = speed x time = $50 \times 4 = 200$ km.

Q507. Two quantities are in the ratio 7:9. If their total is 144, what is the first quantity?

- (A) 144
- (B) 81
- (C) 18
- (D) 63

Answer: D

Explanation: Total parts = 16. One part = $144/16 = 9$; first quantity = $7 \times 9 = 63$.

Q508. Two quantities are in the ratio 5:7. If their total is 144, what is the first quantity?

- (A) 144
- (B) 24
- (C) 84
- (D) 60

Answer: D

Explanation: Total parts = 12. One part = $144/12 = 12$; first quantity = $5 \times 12 = 60$.

Q509. An item costs Rs. 800. At a profit of 30%, what is the selling price?

- (A) 830
- (B) 1040
- (C) 860
- (D) 560.0

Answer: B

Explanation: Selling price = $800 \times (1 + 30/100) = \text{Rs. } 1040$.

Q510. An item costs Rs. 400. At a profit of 25%, what is the selling price?

- (A) 425
- (B) 500
- (C) 300.0
- (D) 450

Answer: B

Explanation: Selling price = $400 \times (1 + 25/100) = \text{Rs. } 500$.

Q511. A can finish a work in 12 days and B in 12 days. In how many days can they finish it together?

- (A) 6.0
- (B) 12.0
- (C) 144.0
- (D) 0

Answer: A

Explanation: Combined rate = $1/12 + 1/12 = (24)/144$; time = $144/24 = 6.0$ days.

Q512. What is 25% of 180?

- (A) 36.0
- (B) 54.0
- (C) 45
- (D) 63.0

Answer: C

Explanation: 25% of 180 = $(25/100) \times 180 = 45$.

Q513. An item costs Rs. 600. At a profit of 20%, what is the selling price?

- (A) 480.0
- (B) 720
- (C) 620
- (D) 640

Answer: B

Explanation: Selling price = $600 \times (1 + 20/100) = \text{Rs. } 720$.

Q514. A can finish a work in 12 days and B in 12 days. In how many days can they finish it together?

- (A) 6.0
- (B) 144.0
- (C) 12.0
- (D) 0

Answer: A

Explanation: Combined rate = $1/12 + 1/12 = (24)/144$; time = $144/24 = 6.0$ days.

Q515. What is 15% of 160?

- (A) 40.0
- (B) 24
- (C) 16.0
- (D) 32.0

Answer: B

Explanation: 15% of 160 = $(15/100) \times 160 = 24$.

Q516. 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) 9.0
- (C) 0
- (D) 324.0

Answer: B

Explanation: Combined rate = $1/18 + 1/18 = (36)/324$; time = $324/36 = 9.0$ days.

Q517. An item costs Rs. 250. At a profit of 30%, what is the selling price?

- (A) 310
- (B) 175.0
- (C) 280
- (D) 325

Answer: D

Explanation: Selling price = $250 \times (1 + 30/100) = \text{Rs. } 325$.

Q518. What is 35% of 300?

- (A) 135.0
- (B) 90.0
- (C) 120.0
- (D) 105

Answer: D

Explanation: $35\% \text{ of } 300 = (35/100) \times 300 = 105$.

Q519. Find the simple interest on Rs. 4000 at 6% per annum for 2 years.

- (A) 880
- (B) 80
- (C) 240
- (D) 480

Answer: D

Explanation: $SI = PRT/100 = 4000 \times 6 \times 2/100 = \text{Rs. } 480$.

Q520. What is 30% of 120?

- (A) 48.0
- (B) 42.0
- (C) 30.0
- (D) 36

Answer: D

Explanation: $30\% \text{ of } 120 = (30/100) \times 120 = 36$.

Q521. An item costs Rs. 750. At a profit of 12%, what is the selling price?

- (A) 774
- (B) 840
- (C) 762
- (D) 660.0

Answer: B

Explanation: Selling price = $750 \times (1 + 12/100) = \text{Rs. } 840$.

Q522. A can finish a work in 10 days and B in 12 days. In how many days can they finish it together?

- (A) 5.45
- (B) 60.0
- (C) 11.0
- (D) 2

Answer: A

Explanation: Combined rate = $1/10 + 1/12 = (22)/120$; time = $120/22 = 5.45$ days.

Q523. Find the average of 77, 12, 59, 69, 30.

- (A) 47.4
- (B) 49.4
- (C) 61.8
- (D) 51.4

Answer: B

Explanation: Average = sum / count = $247/5 = 49.4$.

Q524. Find the average of 58, 43, 38, 80, 53.

- (A) 52.4
- (B) 68.0
- (C) 54.4
- (D) 56.4

Answer: C

Explanation: Average = sum / count = $272/5 = 54.4$.

Q525. Two quantities are in the ratio 3:5. If their total is 48, what is the first quantity?

- (A) 12
- (B) 48
- (C) 30
- (D) 18

Answer: D

Explanation: Total parts = 8. One part = $48/8 = 6$; first quantity = $3 \times 6 = 18$.

Q526. Find the average of 23, 10, 18, 17, 30.

- (A) 21.6
- (B) 24.5
- (C) 17.6
- (D) 19.6

Answer: D

Explanation: Average = sum / count = $98/5 = 19.6$.

Q527. What is 15% of 180?

- (A) 45.0
- (B) 27
- (C) 36.0
- (D) 18.0

Answer: B

Explanation: 15% of 180 = $(15/100) \times 180 = 27$.

Q528. 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.

Q529. What is 15% of 750?

- (A) 112.5
- (B) 75.0
- (C) 187.5
- (D) 150.0

Answer: A

Explanation: $15\% \text{ of } 750 = (15/100) \times 750 = 112.5$.

Q530. Two quantities are in the ratio 3:4. If their total is 84, what is the first quantity?

- (A) 48
- (B) 36
- (C) 84
- (D) 12

Answer: B

Explanation: Total parts = 7. One part = $84/7 = 12$; first quantity = $3 \times 12 = 36$.

Q531. An item costs Rs. 800. At a profit of 12%, what is the selling price?

- (A) 812
- (B) 824
- (C) 704.0
- (D) 896

Answer: D

Explanation: Selling price = $800 \times (1 + 12/100) = \text{Rs. } 896$.

Q532. Two quantities are in the ratio 4:5. If their total is 108, what is the first quantity?

- (A) 48
- (B) 108
- (C) 60
- (D) 12

Answer: A

Explanation: Total parts = 9. One part = $108/9 = 12$; first quantity = $4 \times 12 = 48$.

Q533. Find the simple interest on Rs. 2500 at 6% per annum for 4 years.

- (A) 600
- (B) 850
- (C) 350
- (D) 150

Answer: A

Explanation: $SI = PRT/100 = 2500 \times 6 \times 4/100 = \text{Rs. } 600$.

Q534. What is 15% of 600?

- (A) 60.0
- (B) 150.0
- (C) 90
- (D) 120.0

Answer: C

Explanation: $15\% \text{ of } 600 = (15/100) \times 600 = 90$.

Q535. Find the simple interest on Rs. 5000 at 12% per annum for 3 years.

- (A) 2300
- (B) 600
- (C) 1300
- (D) 1800

Answer: D

Explanation: $SI = \frac{PRT}{100} = 5000 \times 12 \times 3/100 = \text{Rs. } 1800.$

Q536. What is 30% of 480?

- (A) 168.0
- (B) 144
- (C) 192.0
- (D) 120.0

Answer: B

Explanation: $30\% \text{ of } 480 = (30/100) \times 480 = 144.$

Q537. Find the average of 20, 16, 38, 71, 69.

- (A) 42.8
- (B) 44.8
- (C) 40.8
- (D) 53.5

Answer: A

Explanation: $\text{Average} = \text{sum} / \text{count} = 214/5 = 42.8.$

Q538. An item costs Rs. 320. At a profit of 30%, what is the selling price?

- (A) 350
- (B) 224.0
- (C) 380
- (D) 416

Answer: D

Explanation: $\text{Selling price} = 320 \times (1 + 30/100) = \text{Rs. } 416.$

Q539. 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) 16.0
- (C) 8
- (D) 7.5

Answer: D

Explanation: $\text{Combined rate} = 1/12 + 1/20 = (32)/240; \text{ time} = 240/32 = 7.5 \text{ days.}$

Q540. What is 25% of 480?

- (A) 144.0
- (B) 120
- (C) 96.0
- (D) 168.0

Answer: B

Explanation: $25\% \text{ of } 480 = (25/100) \times 480 = 120.$

Q541. Find the simple interest on Rs. 5000 at 5% per annum for 4 years.

- (A) 500
- (B) 250
- (C) 1500
- (D) 1000

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{5000 \times 5 \times 4}{100} = \text{Rs. } 1000.$

Q542. Find the average of 53, 23, 49, 24, 36.

- (A) 46.2
- (B) 35
- (C) 37
- (D) 39

Answer: C

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{185}{5} = 37.$

Q543. Find the average of 74, 17, 42, 64, 11.

- (A) 39.6
- (B) 52.0
- (C) 43.6
- (D) 41.6

Answer: D

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{208}{5} = 41.6.$

Q544. An item costs Rs. 750. At a profit of 30%, what is the selling price?

- (A) 525.0
- (B) 780
- (C) 810
- (D) 975

Answer: D

Explanation: $\text{Selling price} = 750 \times (1 + \frac{30}{100}) = \text{Rs. } 975.$

Q545. Find the average of 61, 52, 27, 56, 75.

- (A) 56.2
- (B) 54.2
- (C) 52.2
- (D) 67.8

Answer: B

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{271}{5} = 54.2.$

Q546. An item costs Rs. 240. At a profit of 10%, what is the selling price?

- (A) 264
- (B) 250
- (C) 260
- (D) 216.0

Answer: A

Explanation: $\text{Selling price} = 240 \times (1 + \frac{10}{100}) = \text{Rs. } 264.$

Q547. Find the average of 18, 38, 68, 75, 40.

- (A) 45.8
- (B) 49.8
- (C) 59.8
- (D) 47.8

Answer: D

Explanation: Average = sum / count = $239/5 = 47.8$.

Q548. What is 5% of 120?

- (A) 6
- (B) 18.0
- (C) 12.0
- (D) 0

Answer: A

Explanation: 5% of 120 = $(5/100) \times 120 = 6$.

Q549. Find the simple interest on Rs. 1000 at 6% per annum for 3 years.

- (A) 280
- (B) 180
- (C) 60
- (D) 80

Answer: B

Explanation: SI = $PRT/100 = 1000 \times 6 \times 3/100 = \text{Rs. } 180$.

Q550. 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) 6
- (C) 4.0
- (D) 12.0

Answer: C

Explanation: Combined rate = $1/6 + 1/12 = (18)/72$; time = $72/18 = 4.0$ days.

Q551. 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 = $3 \times 10 = 30$.

Q552. Find the average of 40, 15, 54, 55, 45.

- (A) 39.8
- (B) 41.8
- (C) 43.8
- (D) 52.2

Answer: B

Explanation: Average = sum / count = $209/5 = 41.8$.

Q553. What is 60% of 800?

- (A) 480
- (B) 440.0
- (C) 560.0
- (D) 520.0

Answer: A

Explanation: $60\% \text{ of } 800 = (60/100) \times 800 = 480$.

Q554. An item costs Rs. 250. At a profit of 12%, what is the selling price?

- (A) 280
- (B) 262
- (C) 274
- (D) 220.0

Answer: A

Explanation: Selling price = $250 \times (1 + 12/100) = \text{Rs. } 280$.

Q555. Two quantities are in the ratio 5:7. If their total is 156, what is the first quantity?

- (A) 26
- (B) 91
- (C) 156
- (D) 65

Answer: D

Explanation: Total parts = 12. One part = $156/12 = 13$; first quantity = $5 \times 13 = 65$.

Q556. Two quantities are in the ratio 2:3. If their total is 80, what is the first quantity?

- (A) 48
- (B) 80
- (C) 32
- (D) 16

Answer: C

Explanation: Total parts = 5. One part = $80/5 = 16$; first quantity = $2 \times 16 = 32$.

Q557. A vehicle travels at 45 km/h for 2.5 hours. What distance does it cover?

- (A) 135.0
- (B) 47.5
- (C) 112.5
- (D) 18.0

Answer: C

Explanation: Distance = speed $\times$ time = $45 \times 2.5 = 112.5$ km.

Q558. What is 30% of 480?

- (A) 168.0
- (B) 192.0
- (C) 120.0
- (D) 144

Answer: D

Explanation: $30\% \text{ of } 480 = (30/100) \times 480 = 144$.

Q559. Two quantities are in the ratio 3:5. If their total is 88, what is the first quantity?

- (A) 22
- (B) 33
- (C) 88
- (D) 55

Answer: B

Explanation: Total parts = 8. One part = $88/8 = 11$; first quantity = $3 \times 11 = 33$.

Q560. Two quantities are in the ratio 3:4. If their total is 63, what is the first quantity?

- (A) 36
- (B) 27
- (C) 63
- (D) 9

Answer: B

Explanation: Total parts = 7. One part = $63/7 = 9$; first quantity = $3 \times 9 = 27$.

Q561. What is 25% of 600?

- (A) 120.0
- (B) 180.0
- (C) 150
- (D) 210.0

Answer: C

Explanation: 25% of 600 = $(25/100) \times 600 = 150$.

Q562. A can finish a work in 15 days and B in 12 days. In how many days can they finish it together?

- (A) 6.67
- (B) 3
- (C) 180.0
- (D) 13.5

Answer: A

Explanation: Combined rate = $1/15 + 1/12 = (27)/180$; time = $180/27 = 6.67$ days.

Q563. 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) 7.5
- (C) 0
- (D) 225.0

Answer: B

Explanation: Combined rate = $1/15 + 1/15 = (30)/225$; time = $225/30 = 7.5$ days.

Q564. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 57
- (B) 189.0
- (C) 18.0
- (D) 162

Answer: D

Explanation: Distance = speed $\times$ time = $54 \times 3 = 162$ km.

Q565. Find the average of 21, 23, 78, 49, 50.

- (A) 46.2
- (B) 44.2
- (C) 42.2
- (D) 55.2

Answer: B

Explanation: Average = sum / count = $221/5 = 44.2$.

Q566. An item costs Rs. 250. At a profit of 15%, what is the selling price?

- (A) 280
- (B) 287.5
- (C) 212.5
- (D) 265

Answer: B

Explanation: Selling price = $250 \times (1 + 15/100) = \text{Rs. } 287.5$.

Q567. An item costs Rs. 800. At a profit of 20%, what is the selling price?

- (A) 840
- (B) 960
- (C) 640.0
- (D) 820

Answer: B

Explanation: Selling price = $800 \times (1 + 20/100) = \text{Rs. } 960$.

Q568. An item costs Rs. 800. At a profit of 10%, what is the selling price?

- (A) 720.0
- (B) 810
- (C) 820
- (D) 880

Answer: D

Explanation: Selling price = $800 \times (1 + 10/100) = \text{Rs. } 880$.

Q569. 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) 0
- (C) 324.0
- (D) 18.0

Answer: A

Explanation: Combined rate = $1/18 + 1/18 = (36)/324$; time = $324/36 = 9.0$ days.

Q570. A can finish a work in 6 days and B in 24 days. In how many days can they finish it together?

- (A) 18
- (B) 15.0
- (C) 4.8
- (D) 8.0

Answer: C

Explanation: Combined rate = $1/6 + 1/24 = (30)/144$; time = $144/30 = 4.8$ days.

Q571. A vehicle travels at 50 km/h for 2 hours. What distance does it cover?

- (A) 25.0
- (B) 125.0
- (C) 100
- (D) 52

Answer: C

Explanation: Distance = speed x time = $50 \times 2 = 100$ km.

Q572. Two quantities are in the ratio 3:5. If their total is 136, what is the first quantity?

- (A) 51
- (B) 136
- (C) 34
- (D) 85

Answer: A

Explanation: Total parts = 8. One part = $136/8 = 17$; first quantity = $3 \times 17 = 51$.

Q573. What is 20% of 360?

- (A) 108.0
- (B) 54.0
- (C) 90.0
- (D) 72

Answer: D

Explanation: 20% of 360 = $(20/100) \times 360 = 72$.

Q574. A vehicle travels at 60 km/h for 2 hours. What distance does it cover?

- (A) 62
- (B) 120
- (C) 150.0
- (D) 30.0

Answer: B

Explanation: Distance = speed x time = $60 \times 2 = 120$ km.

Q575. An item costs Rs. 400. At a profit of 25%, what is the selling price?

- (A) 300.0
- (B) 425
- (C) 450
- (D) 500

Answer: D

Explanation: Selling price = $400 \times (1 + 25/100) = \text{Rs. } 500$.

Q576. What is 50% of 400?

- (A) 220.0
- (B) 240.0
- (C) 180.0
- (D) 200

Answer: D

Explanation: 50% of 400 = $(50/100) \times 400 = 200$.

Q577. What is 35% of 480?

- (A) 216.0
- (B) 192.0
- (C) 144.0
- (D) 168

Answer: D

Explanation: $35\% \text{ of } 480 = (35/100) \times 480 = 168$.

Q578. A vehicle travels at 54 km/h for 2 hours. What distance does it cover?

- (A) 27.0
- (B) 56
- (C) 108
- (D) 135.0

Answer: C

Explanation: Distance = speed $\times$ time = $54 \times 2 = 108$ km.

Q579. Find the simple interest on Rs. 4000 at 12% per annum for 2 years.

- (A) 480
- (B) 960
- (C) 560
- (D) 1360

Answer: B

Explanation: $SI = PRT/100 = 4000 \times 12 \times 2/100 = \text{Rs. } 960$.

Q580. Find the simple interest on Rs. 1500 at 12% per annum for 3 years.

- (A) 540
- (B) 180
- (C) 390
- (D) 690

Answer: A

Explanation: $SI = PRT/100 = 1500 \times 12 \times 3/100 = \text{Rs. } 540$.

Q581. Find the average of 44, 63, 69, 50, 47.

- (A) 52.6
- (B) 68.2
- (C) 56.6
- (D) 54.6

Answer: D

Explanation: Average = sum / count = $273/5 = 54.6$.

Q582. Two quantities are in the ratio 3:5. If their total is 136, what is the first quantity?

- (A) 85
- (B) 34
- (C) 51
- (D) 136

Answer: C

Explanation: Total parts = 8. One part = $136/8 = 17$; first quantity = $3 \times 17 = 51$.

Q583. An item costs Rs. 800. At a profit of 15%, what is the selling price?

- (A) 815
- (B) 830
- (C) 680.0
- (D) 920

Answer: D

Explanation: Selling price = $800 \times (1 + 15/100) = \text{Rs. } 920$.

Q584. What is 40% of 250?

- (A) 100
- (B) 112.5
- (C) 125.0
- (D) 87.5

Answer: A

Explanation: 40% of 250 = $(40/100) \times 250 = 100$.

Q585. An item costs Rs. 500. At a profit of 30%, what is the selling price?

- (A) 350.0
- (B) 560
- (C) 530
- (D) 650

Answer: D

Explanation: Selling price = $500 \times (1 + 30/100) = \text{Rs. } 650$.

Q586. Find the average of 51, 41, 53, 63, 46.

- (A) 52.8
- (B) 50.8
- (C) 48.8
- (D) 63.5

Answer: B

Explanation: Average = sum / count = $254/5 = 50.8$.

Q587. 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 = $PRT/100 = 2500 \times 6 \times 4/100 = \text{Rs. } 600$.

Q588. 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) 10.91
- (C) 4
- (D) 22.0

Answer: B

Explanation: Combined rate = $1/20 + 1/24 = (44)/480$; time = $480/44 = 10.91$ days.

Q589. What is 20% of 500?

- (A) 75.0
- (B) 150.0
- (C) 125.0
- (D) 100

Answer: D

Explanation: $20\% \text{ of } 500 = (20/100) \times 500 = 100$.

Q590. Find the simple interest on Rs. 4000 at 10% per annum for 2 years.

- (A) 14
- (B) 1200
- (C) 800
- (D) 400

Answer: C

Explanation: $SI = PRT/100 = 4000 \times 10 \times 2/100 = \text{Rs. } 800$.

Q591. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

- (A) 14
- (B) 17.14
- (C) 17.0
- (D) 7.06

Answer: D

Explanation: Combined rate = $1/10 + 1/24 = (34)/240$; time = $240/34 = 7.06$ days.

Q592. An item costs Rs. 400. At a profit of 20%, what is the selling price?

- (A) 420
- (B) 480
- (C) 320.0
- (D) 440

Answer: B

Explanation: Selling price = $400 \times (1 + 20/100) = \text{Rs. } 480$.

Q593. What is 40% of 250?

- (A) 87.5
- (B) 100
- (C) 112.5
- (D) 125.0

Answer: B

Explanation: $40\% \text{ of } 250 = (40/100) \times 250 = 100$.

Q594. Find the average of 21, 37, 60, 13, 51.

- (A) 45.5
- (B) 34.4
- (C) 36.4
- (D) 38.4

Answer: C

Explanation: Average = sum / count = $182/5 = 36.4$.

Q595. A can finish a work in 6 days and B in 12 days. In how many days can they finish it together?

- (A) 12.0
- (B) 4.0
- (C) 9.0
- (D) 6

Answer: B

Explanation: Combined rate = $\frac{1}{6} + \frac{1}{12} = \frac{18}{72}$; time = $\frac{72}{18} = 4.0$ days.

Q596. Two quantities are in the ratio 7:9. If their total is 224, what is the first quantity?

- (A) 126
- (B) 98
- (C) 224
- (D) 28

Answer: B

Explanation: Total parts = 16. One part = $224/16 = 14$; first quantity = $7 \times 14 = 98$.

Q597. What is 25% of 250?

- (A) 75.0
- (B) 50.0
- (C) 87.5
- (D) 62.5

Answer: D

Explanation: 25% of 250 = $(25/100) \times 250 = 62.5$.

Q598. An item costs Rs. 300. At a profit of 20%, what is the selling price?

- (A) 340
- (B) 320
- (C) 360
- (D) 240.0

Answer: C

Explanation: Selling price = $300 \times (1 + 20/100) = \text{Rs. } 360$.

Q599. What is 15% of 300?

- (A) 30.0
- (B) 60.0
- (C) 45
- (D) 75.0

Answer: C

Explanation: 15% of 300 = $(15/100) \times 300 = 45$.

Q600. What is 30% of 360?

- (A) 90.0
- (B) 108
- (C) 144.0
- (D) 126.0

Answer: B

Explanation: 30% of 360 = $(30/100) \times 360 = 108$.

Q601. A can finish a work in 15 days and B in 24 days. In how many days can they finish it together?

- (A) 9
- (B) 19.5
- (C) 9.23
- (D) 40.0

Answer: C

Explanation: Combined rate = $1/15 + 1/24 = (39)/360$; time = $360/39 = 9.23$ days.

Q602. A can finish a work in 15 days and B in 12 days. In how many days can they finish it together?

- (A) 6.67
- (B) 180.0
- (C) 13.5
- (D) 3

Answer: A

Explanation: Combined rate = $1/15 + 1/12 = (27)/180$; time = $180/27 = 6.67$ days.

Q603. An item costs Rs. 250. At a profit of 15%, what is the selling price?

- (A) 212.5
- (B) 287.5
- (C) 280
- (D) 265

Answer: B

Explanation: Selling price = $250 \times (1 + 15/100) = \text{Rs. } 287.5$.

Q604. Find the average of 33, 66, 63, 19, 71.

- (A) 48.4
- (B) 52.4
- (C) 50.4
- (D) 63.0

Answer: C

Explanation: Average = sum / count = $252/5 = 50.4$.

Q605. Find the average of 15, 65, 32, 20, 24.

- (A) 31.2
- (B) 29.2
- (C) 39.0
- (D) 33.2

Answer: A

Explanation: Average = sum / count = $156/5 = 31.2$.

Q606. A vehicle travels at 50 km/h for 4 hours. What distance does it cover?

- (A) 12.5
- (B) 200
- (C) 225.0
- (D) 54

Answer: B

Explanation: Distance = speed x time = $50 \times 4 = 200$ km.

Q607. A can finish a work in 12 days and B in 24 days. In how many days can they finish it together?

- (A) 18.0
- (B) 24.0
- (C) 8.0
- (D) 12

Answer: C

Explanation: Combined rate = $1/12 + 1/24 = (36)/288$; time = $288/36 = 8.0$ days.

Q608. Find the average of 26, 17, 21, 12, 74.

- (A) 37.5
- (B) 28
- (C) 30
- (D) 32

Answer: C

Explanation: Average = sum / count = $150/5 = 30$.

Q609. Two quantities are in the ratio 3:5. If their total is 40, what is the first quantity?

- (A) 10
- (B) 25
- (C) 15
- (D) 40

Answer: C

Explanation: Total parts = 8. One part = $40/8 = 5$; first quantity = $3 \times 5 = 15$.

Q610. Find the simple interest on Rs. 4000 at 6% per annum for 2 years.

- (A) 480
- (B) 240
- (C) 880
- (D) 80

Answer: A

Explanation: SI = $PRT/100 = 4000 \times 6 \times 2/100 = \text{Rs. } 480$.

Q611. Find the average of 37, 77, 23, 29, 69.

- (A) 58.8
- (B) 47
- (C) 49
- (D) 45

Answer: B

Explanation: Average = sum / count = $235/5 = 47$.

Q612. Find the average of 55, 60, 30, 45, 53.

- (A) 48.6
- (B) 50.6
- (C) 60.8
- (D) 46.6

Answer: A

Explanation: Average = sum / count = $243/5 = 48.6$.

Q613. An item costs Rs. 300. At a profit of 10%, what is the selling price?

- (A) 330
- (B) 320
- (C) 270.0
- (D) 310

Answer: A

Explanation: Selling price = $300 \times (1 + 10/100) = \text{Rs. } 330$.

Q614. Find the average of 52, 64, 51, 67, 71.

- (A) 59
- (B) 61
- (C) 76.2
- (D) 63

Answer: B

Explanation: Average = sum / count = $305/5 = 61$.

Q615. Find the simple interest on Rs. 2500 at 12% per annum for 4 years.

- (A) 950
- (B) 300
- (C) 1450
- (D) 1200

Answer: D

Explanation: $SI = PRT/100 = 2500 \times 12 \times 4/100 = \text{Rs. } 1200$.

Q616. Find the simple interest on Rs. 2000 at 10% per annum for 4 years.

- (A) 200
- (B) 600
- (C) 1000
- (D) 800

Answer: D

Explanation: $SI = PRT/100 = 2000 \times 10 \times 4/100 = \text{Rs. } 800$.

Q617. What is 35% of 150?

- (A) 60.0
- (B) 52.5
- (C) 67.5
- (D) 45.0

Answer: B

Explanation: 35% of 150 = $(35/100) \times 150 = 52.5$.

Q618. An item costs Rs. 500. At a profit of 12%, what is the selling price?

- (A) 512
- (B) 440.0
- (C) 524
- (D) 560

Answer: D

Explanation: Selling price = $500 \times (1 + 12/100) = \text{Rs. } 560$.

Q619. Find the average of 49, 18, 70, 50, 51.

- (A) 49.6
- (B) 45.6
- (C) 47.6
- (D) 59.5

Answer: C

Explanation: Average = sum / count = $238/5 = 47.6$.

Q620. What is 15% of 300?

- (A) 75.0
- (B) 60.0
- (C) 45
- (D) 30.0

Answer: C

Explanation: 15% of 300 = $(15/100) \times 300 = 45$.

Q621. A vehicle travels at 30 km/h for 4 hours. What distance does it cover?

- (A) 7.5
- (B) 120
- (C) 34
- (D) 135.0

Answer: B

Explanation: Distance = speed x time = $30 \times 4 = 120$ km.

Q622. Two quantities are in the ratio 2:3. If their total is 50, what is the first quantity?

- (A) 10
- (B) 20
- (C) 50
- (D) 30

Answer: B

Explanation: Total parts = 5. One part = $50/5 = 10$; first quantity = $2 \times 10 = 20$.

Q623. What is 10% of 320?

- (A) 48.0
- (B) 64.0
- (C) 16.0
- (D) 32

Answer: D

Explanation: 10% of 320 = $(10/100) \times 320 = 32$.

Q624. Find the simple interest on Rs. 3000 at 10% per annum for 4 years.

- (A) 1200
- (B) 300
- (C) 1500
- (D) 900

Answer: A

Explanation: SI = $PRT/100 = 3000 \times 10 \times 4/100 = \text{Rs. } 1200$.

Q625. A vehicle travels at 60 km/h for 4 hours. What distance does it cover?

- (A) 15.0
- (B) 64
- (C) 240
- (D) 270.0

Answer: C

Explanation: Distance = speed x time = $60 \times 4 = 240$ km.

Q626. What is 25% of 250?

- (A) 62.5
- (B) 75.0
- (C) 50.0
- (D) 87.5

Answer: A

Explanation: 25% of 250 = $(25/100) \times 250 = 62.5$.

Q627. Find the average of 37, 40, 44, 78, 60.

- (A) 53.8
- (B) 49.8
- (C) 51.8
- (D) 64.8

Answer: C

Explanation: Average = sum / count = $259/5 = 51.8$.

Q628. Find the simple interest on Rs. 1500 at 6% per annum for 2 years.

- (A) 180
- (B) 30
- (C) 90
- (D) 330

Answer: A

Explanation: SI = $PRT/100 = 1500 \times 6 \times 2/100 = \text{Rs. } 180$.

Q629. Find the average of 33, 71, 64, 36, 67.

- (A) 52.2
- (B) 67.8
- (C) 54.2
- (D) 56.2

Answer: C

Explanation: Average = sum / count = $271/5 = 54.2$.

Q630. 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.

Q631. Two quantities are in the ratio 7:9. If their total is 96, what is the first quantity?

- (A) 54
- (B) 96
- (C) 12
- (D) 42

Answer: D

Explanation: Total parts = 16. One part = $96/16 = 6$; first quantity = $7 \times 6 = 42$.

Q632. An item costs Rs. 250. At a profit of 20%, what is the selling price?

- (A) 300
- (B) 200.0
- (C) 270
- (D) 290

Answer: A

Explanation: Selling price = $250 \times (1 + 20/100) = \text{Rs. } 300$.

Q633. Find the average of 46, 34, 57, 65, 69.

- (A) 67.8
- (B) 54.2
- (C) 56.2
- (D) 52.2

Answer: B

Explanation: Average = sum / count = $271/5 = 54.2$.

Q634. An item costs Rs. 600. At a profit of 20%, what is the selling price?

- (A) 480.0
- (B) 620
- (C) 720
- (D) 640

Answer: C

Explanation: Selling price = $600 \times (1 + 20/100) = \text{Rs. } 720$.

Q635. What is 40% of 360?

- (A) 162.0
- (B) 126.0
- (C) 180.0
- (D) 144

Answer: D

Explanation: 40% of 360 = $(40/100) \times 360 = 144$.

Q636. Find the simple interest on Rs. 1500 at 8% per annum for 3 years.

- (A) 510
- (B) 120
- (C) 360
- (D) 210

Answer: C

Explanation: SI = $PRT/100 = 1500 \times 8 \times 3/100 = \text{Rs. } 360$.

Q637. 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 x time = $40 \times 2 = 80$ km.

Q638. An item costs Rs. 750. At a profit of 30%, what is the selling price?

- (A) 525.0
- (B) 810
- (C) 780
- (D) 975

Answer: D

Explanation: Selling price = $750 \times (1 + 30/100) = \text{Rs. } 975$.

Q639. A vehicle travels at 36 km/h for 2 hours. What distance does it cover?

- (A) 18.0
- (B) 90.0
- (C) 72
- (D) 38

Answer: C

Explanation: Distance = speed x time = $36 \times 2 = 72$ km.

Q640. Two quantities are in the ratio 3:4. If their total is 98, what is the first quantity?

- (A) 56
- (B) 14
- (C) 98
- (D) 42

Answer: D

Explanation: Total parts = 7. One part = $98/7 = 14$; first quantity = $3 \times 14 = 42$.

Q641. Find the simple interest on Rs. 2000 at 10% per annum for 4 years.

- (A) 600
- (B) 200
- (C) 800
- (D) 1000

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{2000 \times 10 \times 4}{100} = \text{Rs. } 800$.

Q642. Find the average of 50, 80, 30, 78, 37.

- (A) 55
- (B) 53
- (C) 57
- (D) 68.8

Answer: A

Explanation: Average = sum / count = $275/5 = 55$.

Q643. Find the average of 34, 70, 80, 36, 77.

- (A) 74.2
- (B) 59.4
- (C) 57.4
- (D) 61.4

Answer: B

Explanation: Average = sum / count = $297/5 = 59.4$.

Q644. A vehicle travels at 30 km/h for 3.5 hours. What distance does it cover?

- (A) 33.5
- (B) 120.0
- (C) 8.57
- (D) 105

Answer: D

Explanation: Distance = speed x time = $30 \times 3.5 = 105$ km.

Q645. A vehicle travels at 36 km/h for 2 hours. What distance does it cover?

- (A) 18.0
- (B) 90.0
- (C) 72
- (D) 38

Answer: C

Explanation: Distance = speed x time = $36 \times 2 = 72$ km.

Q646. 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.

Q647. An item costs Rs. 600. At a profit of 15%, what is the selling price?

- (A) 690
- (B) 615
- (C) 630
- (D) 510.0

Answer: A

Explanation: Selling price = $600 \times (1 + 15/100) = \text{Rs. } 690$.

Q648. Two quantities are in the ratio 3:5. If their total is 48, what is the first quantity?

- (A) 48
- (B) 12
- (C) 30
- (D) 18

Answer: D

Explanation: Total parts = 8. One part = $48/8 = 6$; first quantity = $3 \times 6 = 18$.

Q649. Two quantities are in the ratio 7:9. If their total is 144, what is the first quantity?

- (A) 81
- (B) 63
- (C) 18
- (D) 144

Answer: B

Explanation: Total parts = 16. One part = $144/16 = 9$; first quantity = $7 \times 9 = 63$.

Q650. Find the simple interest on Rs. 2500 at 12% per annum for 2 years.

- (A) 850
- (B) 600
- (C) 350
- (D) 300

Answer: B

Explanation: $SI = PRT/100 = 2500 \times 12 \times 2/100 = \text{Rs. } 600$.

Q651. Find the average of 12, 11, 49, 43, 75.

- (A) 40
- (B) 38
- (C) 47.5
- (D) 36

Answer: B

Explanation: Average = sum / count = $190/5 = 38$.

Q652. Two quantities are in the ratio 7:9. If their total is 160, what is the first quantity?

- (A) 90
- (B) 70
- (C) 20
- (D) 160

Answer: B

Explanation: Total parts = 16. One part = $160/16 = 10$; first quantity = $7 \times 10 = 70$.

Q653. A can finish a work in 10 days and B in 18 days. In how many days can they finish it together?

- (A) 14.0
- (B) 6.43
- (C) 22.5
- (D) 8

Answer: B

Explanation: Combined rate = $1/10 + 1/18 = (28)/180$; time = $180/28 = 6.43$ days.

Q654. Find the simple interest on Rs. 4000 at 5% per annum for 4 years.

- (A) 200
- (B) 400
- (C) 800
- (D) 1200

Answer: C

Explanation: $SI = PRT/100 = 4000 \times 5 \times 4/100 = \text{Rs. } 800$.

Q655. Find the simple interest on Rs. 2500 at 8% per annum for 4 years.

- (A) 550
- (B) 1050
- (C) 800
- (D) 200

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 8 \times 4}{100} = \text{Rs. } 800.$

Q656. A vehicle travels at 50 km/h for 3 hours. What distance does it cover?

- (A) 150
- (B) 16.67
- (C) 175.0
- (D) 53

Answer: A

Explanation: Distance = speed x time = $50 \times 3 = 150$ km.

Q657. 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 = $\frac{1}{6} + \frac{1}{20} = \frac{26}{120}$; time = $\frac{120}{26} = 4.62$ days.

Q658. An item costs Rs. 400. At a profit of 10%, what is the selling price?

- (A) 420
- (B) 440
- (C) 410
- (D) 360.0

Answer: B

Explanation: Selling price = $400 \times (1 + \frac{10}{100}) = \text{Rs. } 440.$

Q659. A vehicle travels at 45 km/h for 2 hours. What distance does it cover?

- (A) 112.5
- (B) 47
- (C) 90
- (D) 22.5

Answer: C

Explanation: Distance = speed x time = $45 \times 2 = 90$ km.

Q660. An item costs Rs. 800. At a profit of 30%, what is the selling price?

- (A) 860
- (B) 830
- (C) 1040
- (D) 560.0

Answer: C

Explanation: Selling price = $800 \times (1 + \frac{30}{100}) = \text{Rs. } 1040.$

Q661. Find the simple interest on Rs. 3000 at 5% per annum for 3 years.

- (A) 450
- (B) 150
- (C) 330
- (D) 750

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 5 \times 3}{100} = \text{Rs. } 450.$

Q662. A can finish a work in 8 days and B in 12 days. In how many days can they finish it together?

- (A) 10.0
- (B) 4
- (C) 4.8
- (D) 24.0

Answer: C

Explanation: Combined rate = $\frac{1}{8} + \frac{1}{12} = \frac{(20)}{96}$; time = $\frac{96}{20} = 4.8$ days.

Q663. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

- (A) 11.43
- (B) 43.5
- (C) 140
- (D) 160.0

Answer: C

Explanation: Distance = speed x time = $40 \times 3.5 = 140$ km.

Q664. Find the simple interest on Rs. 3000 at 12% per annum for 4 years.

- (A) 1140
- (B) 1440
- (C) 360
- (D) 1740

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 12 \times 4}{100} = \text{Rs. } 1440.$

Q665. Find the simple interest on Rs. 4000 at 8% per annum for 4 years.

- (A) 1280
- (B) 880
- (C) 1680
- (D) 320

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{4000 \times 8 \times 4}{100} = \text{Rs. } 1280.$

Q666. A can finish a work in 20 days and B in 18 days. In how many days can they finish it together?

- (A) 2
- (B) 19.0
- (C) 9.47
- (D) 360.0

Answer: C

Explanation: Combined rate = $\frac{1}{20} + \frac{1}{18} = \frac{(38)}{360}$; time = $\frac{360}{38} = 9.47$ days.

Q667. Find the simple interest on Rs. 4000 at 6% per annum for 3 years.

- (A) 720
- (B) 240
- (C) 1120
- (D) 320

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{4000 \times 6 \times 3}{100} = \text{Rs. } 720.$

Q668. What is 15% of 360?

- (A) 72.0
- (B) 36.0
- (C) 90.0
- (D) 54

Answer: D

Explanation: $15\% \text{ of } 360 = \frac{15}{100} \times 360 = 54.$

Q669. Find the simple interest on Rs. 1500 at 5% per annum for 3 years.

- (A) 225
- (B) 375
- (C) 99
- (D) 75

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{1500 \times 5 \times 3}{100} = \text{Rs. } 225.$

Q670. An item costs Rs. 500. At a profit of 30%, what is the selling price?

- (A) 650
- (B) 350.0
- (C) 560
- (D) 530

Answer: A

Explanation: $\text{Selling price} = 500 \times (1 + \frac{30}{100}) = \text{Rs. } 650.$

Q671. An item costs Rs. 500. At a profit of 20%, what is the selling price?

- (A) 520
- (B) 600
- (C) 540
- (D) 400.0

Answer: B

Explanation: $\text{Selling price} = 500 \times (1 + \frac{20}{100}) = \text{Rs. } 600.$

Q672. Two quantities are in the ratio 5:7. If their total is 204, what is the first quantity?

- (A) 34
- (B) 204
- (C) 85
- (D) 119

Answer: C

Explanation: $\text{Total parts} = 12. \text{ One part} = \frac{204}{12} = 17; \text{ first quantity} = 5 \times 17 = 85.$

Q673. Find the simple interest on Rs. 2500 at 12% per annum for 4 years.

- (A) 950
- (B) 300
- (C) 1200
- (D) 1450

Answer: C

Explanation: $SI = \frac{PRT}{100} = 2500 \times 12 \times 4/100 = \text{Rs. } 1200.$

Q674. Find the simple interest on Rs. 1000 at 8% per annum for 3 years.

- (A) 80
- (B) 240
- (C) 140
- (D) 340

Answer: B

Explanation: $SI = \frac{PRT}{100} = 1000 \times 8 \times 3/100 = \text{Rs. } 240.$

Q675. Find the simple interest on Rs. 3000 at 5% per annum for 2 years.

- (A) 1
- (B) 300
- (C) 600
- (D) 150

Answer: B

Explanation: $SI = \frac{PRT}{100} = 3000 \times 5 \times 2/100 = \text{Rs. } 300.$

Q676. An item costs Rs. 600. At a profit of 30%, what is the selling price?

- (A) 780
- (B) 420.0
- (C) 660
- (D) 630

Answer: A

Explanation: Selling price = $600 \times (1 + 30/100) = \text{Rs. } 780.$

Q677. Find the average of 70, 60, 28, 60, 26.

- (A) 48.8
- (B) 61.0
- (C) 46.8
- (D) 50.8

Answer: A

Explanation: Average = $\text{sum} / \text{count} = 244/5 = 48.8.$

Q678. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

- (A) 160.0
- (B) 11.43
- (C) 43.5
- (D) 140

Answer: D

Explanation: Distance = $\text{speed} \times \text{time} = 40 \times 3.5 = 140 \text{ km}.$

Q679. 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.

Q680. Two quantities are in the ratio 7:9. If their total is 80, what is the first quantity?

- (A) 45
- (B) 10
- (C) 80
- (D) 35

Answer: D

Explanation: Total parts = 16. One part = $80/16 = 5$; first quantity = $7 \times 5 = 35$.

Q681. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

- (A) 17.14
- (B) 7.06
- (C) 17.0
- (D) 14

Answer: B

Explanation: Combined rate = $1/10 + 1/24 = (34)/240$; time = $240/34 = 7.06$ days.

Q682. A vehicle travels at 30 km/h for 2.5 hours. What distance does it cover?

- (A) 32.5
- (B) 90.0
- (C) 12.0
- (D) 75

Answer: D

Explanation: Distance = speed x time = $30 \times 2.5 = 75$ km.

Q683. What is 15% of 240?

- (A) 24.0
- (B) 48.0
- (C) 36
- (D) 60.0

Answer: C

Explanation: 15% of 240 = $(15/100) \times 240 = 36$.

Q684. A can finish a work in 12 days and B in 24 days. In how many days can they finish it together?

- (A) 24.0
- (B) 18.0
- (C) 8.0
- (D) 12

Answer: C

Explanation: Combined rate = $1/12 + 1/24 = (36)/288$; time = $288/36 = 8.0$ days.

Q685. A vehicle travels at 54 km/h for 2 hours. What distance does it cover?

- (A) 27.0
- (B) 56
- (C) 135.0
- (D) 108

Answer: D

Explanation: Distance = speed x time = $54 \times 2 = 108$ km.

Q686. 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 = $\frac{PRT}{100} = 1000 \times 12 \times 2/100 = \text{Rs. } 240$.

Q687. Find the average of 50, 51, 42, 18, 44.

- (A) 43
- (B) 51.2
- (C) 39
- (D) 41

Answer: D

Explanation: Average = sum / count = $205/5 = 41$.

Q688. An item costs Rs. 800. At a profit of 12%, what is the selling price?

- (A) 896
- (B) 812
- (C) 824
- (D) 704.0

Answer: A

Explanation: Selling price = $800 \times (1 + 12/100) = \text{Rs. } 896$.

Q689. Find the average of 79, 27, 52, 19, 35.

- (A) 44.4
- (B) 53.0
- (C) 40.4
- (D) 42.4

Answer: D

Explanation: Average = sum / count = $212/5 = 42.4$.

Q690. An item costs Rs. 800. At a profit of 10%, what is the selling price?

- (A) 820
- (B) 810
- (C) 880
- (D) 720.0

Answer: C

Explanation: Selling price = $800 \times (1 + 10/100) = \text{Rs. } 880$.

Q691. Two quantities are in the ratio 3:4. If their total is 70, what is the first quantity?

- (A) 70
- (B) 40
- (C) 10
- (D) 30

Answer: D

Explanation: Total parts = 7. One part = $70/7 = 10$; first quantity = $3 \times 10 = 30$.

Q692. A can finish a work in 20 days and B in 24 days. In how many days can they finish it together?

- (A) 4
- (B) 22.0
- (C) 120.0
- (D) 10.91

Answer: D

Explanation: Combined rate = $1/20 + 1/24 = (44)/480$; time = $480/44 = 10.91$ days.

Q693. Find the average of 45, 41, 62, 50, 50.

- (A) 47.6
- (B) 62.0
- (C) 49.6
- (D) 51.6

Answer: C

Explanation: Average = sum / count = $248/5 = 49.6$.

Q694. Two quantities are in the ratio 4:5. If their total is 144, what is the first quantity?

- (A) 80
- (B) 144
- (C) 16
- (D) 64

Answer: D

Explanation: Total parts = 9. One part = $144/9 = 16$; first quantity = $4 \times 16 = 64$.

Q695. An item costs Rs. 600. At a profit of 12%, what is the selling price?

- (A) 624
- (B) 612
- (C) 528.0
- (D) 672

Answer: D

Explanation: Selling price = $600 \times (1 + 12/100) = \text{Rs. } 672$.

Q696. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

- (A) 7.06
- (B) 17.14
- (C) 17.0
- (D) 14

Answer: A

Explanation: Combined rate = $1/10 + 1/24 = (34)/240$; time = $240/34 = 7.06$ days.

Q697. Find the simple interest on Rs. 4000 at 5% per annum for 2 years.

- (A) 400
- (B) 800
- (C) 200
- (D) 1

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{4000 \times 5 \times 2}{100} = \text{Rs. } 400.$

Q698. An item costs Rs. 240. At a profit of 12%, what is the selling price?

- (A) 211.2
- (B) 268.8
- (C) 252
- (D) 264

Answer: B

Explanation: Selling price = $240 \times (1 + \frac{12}{100}) = \text{Rs. } 268.8.$

Q699. Find the simple interest on Rs. 1000 at 8% per annum for 2 years.

- (A) 60
- (B) 260
- (C) 80
- (D) 160

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 8 \times 2}{100} = \text{Rs. } 160.$

Q700. A vehicle travels at 72 km/h for 4 hours. What distance does it cover?

- (A) 76
- (B) 18.0
- (C) 324.0
- (D) 288

Answer: D

Explanation: Distance = speed $\times$ time = $72 \times 4 = 288 \text{ km}.$

Q701. What is 30% of 300?

- (A) 120.0
- (B) 90
- (C) 105.0
- (D) 75.0

Answer: B

Explanation: 30% of 300 = $(\frac{30}{100}) \times 300 = 90.$

Q702. A can finish a work in 8 days and B in 18 days. In how many days can they finish it together?

- (A) 13.0
- (B) 10
- (C) 14.4
- (D) 5.54

Answer: D

Explanation: Combined rate = $\frac{1}{8} + \frac{1}{18} = \frac{26}{144}$; time = $\frac{144}{26} = 5.54 \text{ days}.$

Q703. An item costs Rs. 200. At a profit of 15%, what is the selling price?

- (A) 170.0
- (B) 230
- (C) 289
- (D) 215

Answer: B

Explanation: Selling price = $200 \times (1 + 15/100) = \text{Rs. } 230$.

Q704. Find the average of 22, 54, 19, 71, 36.

- (A) 38.4
- (B) 42.4
- (C) 40.4
- (D) 50.5

Answer: C

Explanation: Average = sum / count = $202/5 = 40.4$.

Q705. Two quantities are in the ratio 7:9. If their total is 80, what is the first quantity?

- (A) 35
- (B) 45
- (C) 80
- (D) 10

Answer: A

Explanation: Total parts = 16. One part = $80/16 = 5$; first quantity = $7 \times 5 = 35$.

Q706. A vehicle travels at 40 km/h for 2 hours. What distance does it cover?

- (A) 42
- (B) 80
- (C) 100.0
- (D) 20.0

Answer: B

Explanation: Distance = speed x time = $40 \times 2 = 80$ km.

Q707. A vehicle travels at 54 km/h for 2.5 hours. What distance does it cover?

- (A) 21.6
- (B) 135
- (C) 56.5
- (D) 162.0

Answer: B

Explanation: Distance = speed x time = $54 \times 2.5 = 135$ km.

Q708. What is 30% of 150?

- (A) 37.5
- (B) 45
- (C) 60.0
- (D) 52.5

Answer: B

Explanation: 30% of 150 = $(30/100) \times 150 = 45$.

Q709. A can finish a work in 12 days and B in 15 days. In how many days can they finish it together?

- (A) 60.0
- (B) 6.67
- (C) 13.5
- (D) 3

Answer: B

Explanation: Combined rate = $1/12 + 1/15 = (27)/180$; time = $180/27 = 6.67$ days.

Q710. An item costs Rs. 250. At a profit of 20%, what is the selling price?

- (A) 270
- (B) 200.0
- (C) 290
- (D) 300

Answer: D

Explanation: Selling price = $250 \times (1 + 20/100) = \text{Rs. } 300$.

Q711. Find the simple interest on Rs. 5000 at 10% per annum for 3 years.

- (A) 1000
- (B) 1500
- (C) 500
- (D) 2000

Answer: B

Explanation: $SI = PRT/100 = 5000 \times 10 \times 3/100 = \text{Rs. } 1500$.

Q712. Find the simple interest on Rs. 2000 at 8% per annum for 4 years.

- (A) 640
- (B) 840
- (C) 160
- (D) 440

Answer: A

Explanation: $SI = PRT/100 = 2000 \times 8 \times 4/100 = \text{Rs. } 640$.

Q713. Find the average of 37, 34, 71, 64, 27.

- (A) 58.2
- (B) 48.6
- (C) 44.6
- (D) 46.6

Answer: D

Explanation: Average = sum / count = $233/5 = 46.6$.

Q714. What is 75% of 600?

- (A) 450
- (B) 510.0
- (C) 420.0
- (D) 480.0

Answer: A

Explanation: 75% of 600 = $(75/100) \times 600 = 450$.

Q715. An item costs Rs. 200. At a profit of 12%, what is the selling price?

- (A) 176.0
- (B) 212
- (C) 705
- (D) 224

Answer: D

Explanation: Selling price = $200 \times (1 + 12/100) = \text{Rs. } 224$.

Q716. Find the simple interest on Rs. 2000 at 10% per annum for 4 years.

- (A) 600
- (B) 800
- (C) 1000
- (D) 200

Answer: B

Explanation: $SI = PRT/100 = 2000 \times 10 \times 4/100 = \text{Rs. } 800$.

Q717. Find the average of 69, 58, 42, 12, 35.

- (A) 45.2
- (B) 54.0
- (C) 41.2
- (D) 43.2

Answer: D

Explanation: Average = sum / count = $216/5 = 43.2$.

Q718. An item costs Rs. 750. At a profit of 30%, what is the selling price?

- (A) 525.0
- (B) 810
- (C) 975
- (D) 780

Answer: C

Explanation: Selling price = $750 \times (1 + 30/100) = \text{Rs. } 975$.

Q719. Find the average of 76, 15, 18, 33, 16.

- (A) 31.6
- (B) 39.5
- (C) 33.6
- (D) 29.6

Answer: A

Explanation: Average = sum / count = $158/5 = 31.6$.

Q720. A vehicle travels at 54 km/h for 2 hours. What distance does it cover?

- (A) 108
- (B) 135.0
- (C) 56
- (D) 27.0

Answer: A

Explanation: Distance = speed x time = $54 \times 2 = 108 \text{ km}$.

Q721. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

- (A) 17.0
- (B) 14
- (C) 7.06
- (D) 17.14

Answer: C

Explanation: Combined rate = $1/10 + 1/24 = (34)/240$; time = $240/34 = 7.06$ days.

Q722. Find the simple interest on Rs. 1200 at 10% per annum for 4 years.

- (A) 120
- (B) 480
- (C) 600
- (D) 360

Answer: B

Explanation: $SI = PRT/100 = 1200 \times 10 \times 4/100 = \text{Rs. } 480$.

Q723. Find the simple interest on Rs. 1500 at 6% per annum for 4 years.

- (A) 360
- (B) 510
- (C) 210
- (D) 90

Answer: A

Explanation: $SI = PRT/100 = 1500 \times 6 \times 4/100 = \text{Rs. } 360$.

Q724. Find the simple interest on Rs. 1200 at 6% per annum for 4 years.

- (A) 72
- (B) 288
- (C) 408
- (D) 168

Answer: B

Explanation: $SI = PRT/100 = 1200 \times 6 \times 4/100 = \text{Rs. } 288$.

Q725. A vehicle travels at 30 km/h for 4 hours. What distance does it cover?

- (A) 7.5
- (B) 120
- (C) 135.0
- (D) 34

Answer: B

Explanation: Distance = speed $\times$ time = $30 \times 4 = 120$ km.

Q726. Two quantities are in the ratio 4:5. If their total is 81, what is the first quantity?

- (A) 36
- (B) 81
- (C) 9
- (D) 45

Answer: A

Explanation: Total parts = 9. One part = $81/9 = 9$; first quantity = $4 \times 9 = 36$.

Q727. Two quantities are in the ratio 7:9. If their total is 240, what is the first quantity?

- (A) 30
- (B) 105
- (C) 240
- (D) 135

Answer: B

Explanation: Total parts = 16. One part = $240/16 = 15$; first quantity = $7 \times 15 = 105$.

Q728. Find the average of 79, 69, 12, 21, 22.

- (A) 40.6
- (B) 38.6
- (C) 42.6
- (D) 50.8

Answer: A

Explanation: Average = sum / count = $203/5 = 40.6$.

Q729. 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: $SI = \frac{PRT}{100} = \frac{1500 \times 10 \times 3}{100} = \text{Rs. } 450$.

Q730. Find the average of 61, 28, 73, 10, 79.

- (A) 62.8
- (B) 50.2
- (C) 52.2
- (D) 48.2

Answer: B

Explanation: Average = sum / count = $251/5 = 50.2$.

Q731. Find the average of 25, 67, 60, 77, 33.

- (A) 65.5
- (B) 54.4
- (C) 52.4
- (D) 50.4

Answer: C

Explanation: Average = sum / count = $262/5 = 52.4$.

Q732. Two quantities are in the ratio 3:4. If their total is 42, what is the first quantity?

- (A) 18
- (B) 6
- (C) 24
- (D) 42

Answer: A

Explanation: Total parts = 7. One part = $42/7 = 6$; first quantity = $3 \times 6 = 18$.

Q733. A vehicle travels at 50 km/h for 3.5 hours. What distance does it cover?

- (A) 53.5
- (B) 175
- (C) 14.29
- (D) 200.0

Answer: B

Explanation: Distance = speed x time = $50 \times 3.5 = 175$ km.

Q734. Find the average of 16, 39, 14, 11, 20.

- (A) 20
- (B) 22
- (C) 25.0
- (D) 18

Answer: A

Explanation: Average = sum / count = $100/5 = 20$.

Q735. An item costs Rs. 300. At a profit of 12%, what is the selling price?

- (A) 264.0
- (B) 312
- (C) 324
- (D) 336

Answer: D

Explanation: Selling price = $300 \times (1 + 12/100) = \text{Rs. } 336$.

Q736. A can finish a work in 18 days and B in 20 days. In how many days can they finish it together?

- (A) 180.0
- (B) 19.0
- (C) 2
- (D) 9.47

Answer: D

Explanation: Combined rate = $1/18 + 1/20 = (38)/360$; time = $360/38 = 9.47$ days.

Q737. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

- (A) 14
- (B) 7.06
- (C) 17.14
- (D) 17.0

Answer: B

Explanation: Combined rate = $1/10 + 1/24 = (34)/240$; time = $240/34 = 7.06$ days.

Q738. A can finish a work in 6 days and B in 12 days. In how many days can they finish it together?

- (A) 12.0
- (B) 6
- (C) 9.0
- (D) 4.0

Answer: D

Explanation: Combined rate = $1/6 + 1/12 = (18)/72$; time = $72/18 = 4.0$ days.

Q739. 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.

Q740. Two quantities are in the ratio 3:5. If their total is 64, what is the first quantity?

- (A) 24
- (B) 16
- (C) 40
- (D) 64

Answer: A

Explanation: Total parts = 8. One part = $64/8 = 8$; first quantity = $3 \times 8 = 24$.

Q741. 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) 6.0
- (C) 5
- (D) 30.0

Answer: B

Explanation: Combined rate = $1/10 + 1/15 = (25)/150$; time = $150/25 = 6.0$ days.

Q742. An item costs Rs. 750. At a profit of 15%, what is the selling price?

- (A) 765
- (B) 637.5
- (C) 780
- (D) 862.5

Answer: D

Explanation: Selling price = $750 \times (1 + 15/100) = \text{Rs. } 862.5$.

Q743. What is 75% of 300?

- (A) 225
- (B) 240.0
- (C) 255.0
- (D) 210.0

Answer: A

Explanation: 75% of 300 = $(75/100) \times 300 = 225$.

Q744. What is 12.5% of 160?

- (A) 12.0
- (B) 36.0
- (C) 28.0
- (D) 20

Answer: D

Explanation: 12.5% of 160 = $(12.5/100) \times 160 = 20$.

Q745. 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) 9
- (C) 9.23
- (D) 19.5

Answer: C

Explanation: Combined rate = $1/15 + 1/24 = (39)/360$; time = $360/39 = 9.23$ days.

Q746. A can finish a work in 20 days and B in 20 days. In how many days can they finish it together?

- (A) 0
- (B) 20.0
- (C) 10.0
- (D) 400.0

Answer: C

Explanation: Combined rate = $1/20 + 1/20 = (40)/400$; time = $400/40 = 10.0$ days.

Q747. 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) 8.18
- (C) 270.0
- (D) 16.5

Answer: B

Explanation: Combined rate = $1/18 + 1/15 = (33)/270$; time = $270/33 = 8.18$ days.

Q748. 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) 16.5
- (C) 3
- (D) 270.0

Answer: A

Explanation: Combined rate = $1/18 + 1/15 = (33)/270$; time = $270/33 = 8.18$ days.

Q749. Find the simple interest on Rs. 2500 at 6% per annum for 4 years.

- (A) 150
- (B) 600
- (C) 850
- (D) 350

Answer: B

Explanation: $SI = PRT/100 = 2500 \times 6 \times 4/100 = \text{Rs. } 600$.

Q750. An item costs Rs. 320. At a profit of 25%, what is the selling price?

- (A) 345
- (B) 400
- (C) 240.0
- (D) 370

Answer: B

Explanation: Selling price = $320 \times (1 + 25/100) = \text{Rs. } 400$.

Q751. Find the average of 15, 11, 74, 41, 25.

- (A) 35.2
- (B) 41.5
- (C) 33.2
- (D) 31.2

Answer: C

Explanation: Average = sum / count = $166/5 = 33.2$.

Q752. What is 12.5% of 240?

- (A) 42.0
- (B) 18.0
- (C) 54.0
- (D) 30

Answer: D

Explanation: 12.5% of 240 = $(12.5/100) \times 240 = 30$.

Q753. Find the simple interest on Rs. 1500 at 10% per annum for 4 years.

- (A) 450
- (B) 750
- (C) 600
- (D) 150

Answer: C

Explanation: SI = $PRT/100 = 1500 \times 10 \times 4/100 = \text{Rs. } 600$.

Q754. A can finish a work in 10 days and B in 18 days. In how many days can they finish it together?

- (A) 22.5
- (B) 14.0
- (C) 6.43
- (D) 8

Answer: C

Explanation: Combined rate = $1/10 + 1/18 = (28)/180$; time = $180/28 = 6.43$ days.

Q755. A can finish a work in 18 days and B in 30 days. In how many days can they finish it together?

- (A) 24.0
- (B) 11.25
- (C) 45.0
- (D) 12

Answer: B

Explanation: Combined rate = $1/18 + 1/30 = (48)/540$; time = $540/48 = 11.25$ days.

Q756. Find the average of 75, 66, 69, 75, 72.

- (A) 71.4
- (B) 69.4
- (C) 89.2
- (D) 73.4

Answer: A

Explanation: Average = sum / count = $357/5 = 71.4$.

Q757. Two quantities are in the ratio 4:5. If their total is 72, what is the first quantity?

- (A) 8
- (B) 40
- (C) 32
- (D) 72

Answer: C

Explanation: Total parts = 9. One part = $72/9 = 8$; first quantity = $4 \times 8 = 32$.

Q758. What is 15% of 120?

- (A) 24.0
- (B) 18
- (C) 30.0
- (D) 12.0

Answer: B

Explanation: 15% of 120 = $(15/100) \times 120 = 18$.

Q759. Two quantities are in the ratio 3:4. If their total is 112, what is the first quantity?

- (A) 64
- (B) 16
- (C) 48
- (D) 112

Answer: C

Explanation: Total parts = 7. One part = $112/7 = 16$; first quantity = $3 \times 16 = 48$.

Q760. Find the average of 54, 34, 75, 52, 80.

- (A) 59
- (B) 73.8
- (C) 57
- (D) 61

Answer: A

Explanation: Average = sum / count = $295/5 = 59$.

Q761. A vehicle travels at 36 km/h for 2.5 hours. What distance does it cover?

- (A) 14.4
- (B) 38.5
- (C) 90
- (D) 108.0

Answer: C

Explanation: Distance = speed $\times$ time = $36 \times 2.5 = 90$ km.

Q762. 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 $\times$ time = $50 \times 3.5 = 175$ km.

Q763. What is 15% of 320?

- (A) 80.0
- (B) 48
- (C) 32.0
- (D) 64.0

Answer: B

Explanation: $15\% \text{ of } 320 = (15/100) \times 320 = 48$.

Q764. What is 60% of 400?

- (A) 220.0
- (B) 280.0
- (C) 260.0
- (D) 240

Answer: D

Explanation: $60\% \text{ of } 400 = (60/100) \times 400 = 240$.

Q765. A vehicle travels at 30 km/h for 2 hours. What distance does it cover?

- (A) 32
- (B) 15.0
- (C) 75.0
- (D) 60

Answer: D

Explanation: Distance = speed $\times$ time = $30 \times 2 = 60$ km.

Q766. A can finish a work in 15 days and B in 18 days. In how many days can they finish it together?

- (A) 3
- (B) 8.18
- (C) 90.0
- (D) 16.5

Answer: B

Explanation: Combined rate = $1/15 + 1/18 = (33)/270$; time = $270/33 = 8.18$ days.

Q767. Find the average of 70, 59, 56, 73, 13.

- (A) 52.2
- (B) 54.2
- (C) 67.8
- (D) 56.2

Answer: B

Explanation: Average = sum / count = $271/5 = 54.2$.

Q768. An item costs Rs. 750. At a profit of 10%, what is the selling price?

- (A) 770
- (B) 675.0
- (C) 825
- (D) 760

Answer: C

Explanation: Selling price = $750 \times (1 + 10/100) = \text{Rs. } 825$.

Q769. A can finish a work in 8 days and B in 18 days. In how many days can they finish it together?

- (A) 14.4
- (B) 5.54
- (C) 10
- (D) 13.0

Answer: B

Explanation: Combined rate = $1/8 + 1/18 = (26)/144$; time = $144/26 = 5.54$ days.

Q770. An item costs Rs. 600. At a profit of 10%, what is the selling price?

- (A) 620
- (B) 610
- (C) 660
- (D) 540.0

Answer: C

Explanation: Selling price = $600 \times (1 + 10/100) = \text{Rs. } 660$.

Q771. What is 5% of 200?

- (A) 30.0
- (B) 20.0
- (C) 0
- (D) 10

Answer: D

Explanation: 5% of 200 = $(5/100) \times 200 = 10$.

Q772. Two quantities are in the ratio 7:9. If their total is 192, what is the first quantity?

- (A) 24
- (B) 108
- (C) 192
- (D) 84

Answer: D

Explanation: Total parts = 16. One part = $192/16 = 12$; first quantity = $7 \times 12 = 84$.

Q773. 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.

Q774. Find the simple interest on Rs. 1200 at 10% per annum for 3 years.

- (A) 360
- (B) 480
- (C) 240
- (D) 120

Answer: A

Explanation: SI = $PRT/100 = 1200 \times 10 \times 3/100 = \text{Rs. } 360$.

Q775. What is 20% of 240?

- (A) 36.0
- (B) 48
- (C) 72.0
- (D) 60.0

Answer: B

Explanation: 20% of 240 = $(20/100) \times 240 = 48$.

Q776. A vehicle travels at 72 km/h for 3 hours. What distance does it cover?

- (A) 216
- (B) 252.0
- (C) 75
- (D) 24.0

Answer: A

Explanation: Distance = speed $\times$ time = $72 \times 3 = 216$ km.

Q777. A can finish a work in 6 days and B in 18 days. In how many days can they finish it together?

- (A) 9.0
- (B) 12.0
- (C) 12
- (D) 4.5

Answer: D

Explanation: Combined rate = $1/6 + 1/18 = (24)/108$; time = $108/24 = 4.5$ days.

Q778. Find the average of 38, 53, 53, 59, 12.

- (A) 45
- (B) 41
- (C) 53.8
- (D) 43

Answer: D

Explanation: Average = sum / count = $215/5 = 43$.

Q779. Find the simple interest on Rs. 1000 at 8% per annum for 4 years.

- (A) 80
- (B) 220
- (C) 420
- (D) 320

Answer: D

Explanation: SI = $PRT/100 = 1000 \times 8 \times 4/100 = \text{Rs. } 320$.

Q780. An item costs Rs. 400. At a profit of 30%, what is the selling price?

- (A) 430
- (B) 280.0
- (C) 520
- (D) 460

Answer: C

Explanation: Selling price = $400 \times (1 + 30/100) = \text{Rs. } 520$.

Q781. What is 30% of 750?

- (A) 187.5
- (B) 262.5
- (C) 225
- (D) 300.0

Answer: C

Explanation: $30\% \text{ of } 750 = (30/100) \times 750 = 225$.

Q782. An item costs Rs. 500. At a profit of 12%, what is the selling price?

- (A) 524
- (B) 512
- (C) 440.0
- (D) 560

Answer: D

Explanation: Selling price = $500 \times (1 + 12/100) = \text{Rs. } 560$.

Q783. An item costs Rs. 800. At a profit of 10%, what is the selling price?

- (A) 810
- (B) 720.0
- (C) 880
- (D) 820

Answer: C

Explanation: Selling price = $800 \times (1 + 10/100) = \text{Rs. } 880$.

Q784. What is 50% of 500?

- (A) 225.0
- (B) 300.0
- (C) 250
- (D) 275.0

Answer: C

Explanation: $50\% \text{ of } 500 = (50/100) \times 500 = 250$.

Q785. A vehicle travels at 72 km/h for 2 hours. What distance does it cover?

- (A) 74
- (B) 36.0
- (C) 180.0
- (D) 144

Answer: D

Explanation: Distance = speed $\times$ time = $72 \times 2 = 144 \text{ km}$.

Q786. What is 50% of 200?

- (A) 90.0
- (B) 120.0
- (C) 100
- (D) 110.0

Answer: C

Explanation: $50\% \text{ of } 200 = (50/100) \times 200 = 100$.

Q787. A can finish a work in 20 days and B in 20 days. In how many days can they finish it together?

- (A) 0
- (B) 20.0
- (C) 400.0
- (D) 10.0

Answer: D

Explanation: Combined rate = $\frac{1}{20} + \frac{1}{20} = \frac{40}{400}$; time = $\frac{400}{40} = 10.0$ days.

Q788. A can finish a work in 10 days and B in 15 days. In how many days can they finish it together?

- (A) 5
- (B) 30.0
- (C) 12.5
- (D) 6.0

Answer: D

Explanation: Combined rate = $\frac{1}{10} + \frac{1}{15} = \frac{25}{150}$; time = $\frac{150}{25} = 6.0$ days.

Q789. Find the average of 30, 18, 16, 25, 23.

- (A) 28.0
- (B) 24.4
- (C) 22.4
- (D) 20.4

Answer: C

Explanation: Average = sum / count = $\frac{112}{5} = 22.4$.

Q790. An item costs Rs. 200. At a profit of 12%, what is the selling price?

- (A) 212
- (B) 224
- (C) 730
- (D) 176.0

Answer: B

Explanation: Selling price = $200 \times (1 + \frac{12}{100}) = \text{Rs. } 224$.

Q791. A can finish a work in 12 days and B in 18 days. In how many days can they finish it together?

- (A) 6
- (B) 36.0
- (C) 7.2
- (D) 15.0

Answer: C

Explanation: Combined rate = $\frac{1}{12} + \frac{1}{18} = \frac{30}{216}$; time = $\frac{216}{30} = 7.2$ days.

Q792. Find the average of 16, 66, 40, 54, 10.

- (A) 35.2
- (B) 46.5
- (C) 37.2
- (D) 39.2

Answer: C

Explanation: Average = sum / count = $\frac{186}{5} = 37.2$.

Q793. An item costs Rs. 800. At a profit of 25%, what is the selling price?

- (A) 825
- (B) 850
- (C) 1000
- (D) 600.0

Answer: C

Explanation: Selling price = $800 \times (1 + 25/100) = \text{Rs. } 1000$.

Q794. Find the average of 67, 27, 10, 61, 56.

- (A) 46.2
- (B) 55.2
- (C) 44.2
- (D) 42.2

Answer: C

Explanation: Average = sum / count = $221/5 = 44.2$.

Q795. An item costs Rs. 800. At a profit of 15%, what is the selling price?

- (A) 830
- (B) 920
- (C) 815
- (D) 680.0

Answer: B

Explanation: Selling price = $800 \times (1 + 15/100) = \text{Rs. } 920$.

Q796. A can finish a work in 18 days and B in 20 days. In how many days can they finish it together?

- (A) 2
- (B) 9.47
- (C) 180.0
- (D) 19.0

Answer: B

Explanation: Combined rate = $1/18 + 1/20 = (38)/360$; time = $360/38 = 9.47$ days.

Q797. Find the simple interest on Rs. 3000 at 10% per annum for 2 years.

- (A) 600
- (B) 300
- (C) 727
- (D) 900

Answer: A

Explanation: SI = $PRT/100 = 3000 \times 10 \times 2/100 = \text{Rs. } 600$.

Q798. What is 12.5% of 200?

- (A) 45.0
- (B) 35.0
- (C) 25
- (D) 15.0

Answer: C

Explanation: 12.5% of 200 = $(12.5/100) \times 200 = 25$.

Q799. A can finish a work in 12 days and B in 15 days. In how many days can they finish it together?

- (A) 13.5
- (B) 3
- (C) 60.0
- (D) 6.67

Answer: D

Explanation: Combined rate = $1/12 + 1/15 = (27)/180$; time = $180/27 = 6.67$ days.

Q800. Find the average of 22, 10, 26, 54, 58.

- (A) 34
- (B) 32
- (C) 36
- (D) 42.5

Answer: A

Explanation: Average = sum / count = $170/5 = 34$.

Q801. An item costs Rs. 500. At a profit of 30%, what is the selling price?

- (A) 350.0
- (B) 530
- (C) 650
- (D) 560

Answer: C

Explanation: Selling price = $500 \times (1 + 30/100) = \text{Rs. } 650$.

Q802. What is 30% of 600?

- (A) 240.0
- (B) 210.0
- (C) 180
- (D) 150.0

Answer: C

Explanation: 30% of 600 = $(30/100) \times 600 = 180$.

Q803. Two quantities are in the ratio 4:5. If their total is 63, what is the first quantity?

- (A) 7
- (B) 63
- (C) 28
- (D) 35

Answer: C

Explanation: Total parts = 9. One part = $63/9 = 7$; first quantity = $4 \times 7 = 28$.

Q804. An item costs Rs. 250. At a profit of 15%, what is the selling price?

- (A) 212.5
- (B) 287.5
- (C) 280
- (D) 265

Answer: B

Explanation: Selling price = $250 \times (1 + 15/100) = \text{Rs. } 287.5$.

Q805. Two quantities are in the ratio 4:5. If their total is 162, what is the first quantity?

- (A) 162
- (B) 72
- (C) 18
- (D) 90

Answer: B

Explanation: Total parts = 9. One part = $162/9 = 18$; first quantity = $4 \times 18 = 72$.

Q806. A vehicle travels at 36 km/h for 2.5 hours. What distance does it cover?

- (A) 90
- (B) 38.5
- (C) 14.4
- (D) 108.0

Answer: A

Explanation: Distance = speed $\times$ time = $36 \times 2.5 = 90$ km.

Q807. A can finish a work in 18 days and B in 12 days. In how many days can they finish it together?

- (A) 216.0
- (B) 15.0
- (C) 7.2
- (D) 6

Answer: C

Explanation: Combined rate = $1/18 + 1/12 = (30)/216$; time = $216/30 = 7.2$ days.

Q808. An item costs Rs. 600. At a profit of 25%, what is the selling price?

- (A) 450.0
- (B) 750
- (C) 625
- (D) 650

Answer: B

Explanation: Selling price = $600 \times (1 + 25/100) = \text{Rs. } 750$.

Q809. An item costs Rs. 600. At a profit of 20%, what is the selling price?

- (A) 480.0
- (B) 720
- (C) 620
- (D) 640

Answer: B

Explanation: Selling price = $600 \times (1 + 20/100) = \text{Rs. } 720$.

Q810. What is 60% of 200?

- (A) 140.0
- (B) 120
- (C) 130.0
- (D) 110.0

Answer: B

Explanation: 60% of 200 = $(60/100) \times 200 = 120$.

Q811. What is 10% of 120?

- (A) 12
- (B) 24.0
- (C) 18.0
- (D) 6.0

Answer: A

Explanation: $10\% \text{ of } 120 = (10/100) \times 120 = 12.$

Q812. An item costs Rs. 320. At a profit of 10%, what is the selling price?

- (A) 288.0
- (B) 352
- (C) 330
- (D) 340

Answer: B

Explanation: Selling price = $320 \times (1 + 10/100) = \text{Rs. } 352.$

Q813. Two quantities are in the ratio 4:5. If their total is 108, what is the first quantity?

- (A) 48
- (B) 108
- (C) 60
- (D) 12

Answer: A

Explanation: Total parts = 9. One part = $108/9 = 12$; first quantity = $4 \times 12 = 48.$

Q814. Find the average of 29, 16, 14, 54, 19.

- (A) 26.4
- (B) 24.4
- (C) 33.0
- (D) 28.4

Answer: A

Explanation: Average = sum / count = $132/5 = 26.4.$

Q815. Find the average of 71, 55, 46, 30, 76.

- (A) 53.6
- (B) 57.6
- (C) 69.5
- (D) 55.6

Answer: D

Explanation: Average = sum / count = $278/5 = 55.6.$

Q816. A vehicle travels at 60 km/h for 2.5 hours. What distance does it cover?

- (A) 180.0
- (B) 150
- (C) 62.5
- (D) 24.0

Answer: B

Explanation: Distance = speed $\times$ time = $60 \times 2.5 = 150 \text{ km}.$

Q817. A can finish a work in 6 days and B in 30 days. In how many days can they finish it together?

- (A) 5.0
- (B) 18.0
- (C) 7.5
- (D) 24

Answer: A

Explanation: Combined rate = $1/6 + 1/30 = (36)/180$; time = $180/36 = 5.0$ days.

Q818. Two quantities are in the ratio 2:3. If their total is 70, what is the first quantity?

- (A) 14
- (B) 70
- (C) 42
- (D) 28

Answer: D

Explanation: Total parts = 5. One part = $70/5 = 14$; first quantity = $2 \times 14 = 28$.

Q819. Find the simple interest on Rs. 1500 at 12% per annum for 4 years.

- (A) 870
- (B) 720
- (C) 180
- (D) 570

Answer: B

Explanation: $SI = PRT/100 = 1500 \times 12 \times 4/100 = \text{Rs. } 720$.

Q820. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

- (A) 11.43
- (B) 140
- (C) 160.0
- (D) 43.5

Answer: B

Explanation: Distance = speed $\times$ time = $40 \times 3.5 = 140$ km.

Q821. Find the simple interest on Rs. 1200 at 6% per annum for 2 years.

- (A) 72
- (B) 264
- (C) 144
- (D) 24

Answer: C

Explanation: $SI = PRT/100 = 1200 \times 6 \times 2/100 = \text{Rs. } 144$.

Q822. Find the average of 63, 40, 65, 44, 48.

- (A) 52
- (B) 54
- (C) 65.0
- (D) 50

Answer: A

Explanation: Average = sum / count = $260/5 = 52$.

Q823. A vehicle travels at 50 km/h for 4 hours. What distance does it cover?

- (A) 54
- (B) 200
- (C) 12.5
- (D) 225.0

Answer: B

Explanation: Distance = speed x time = $50 \times 4 = 200$ km.

Q824. Two quantities are in the ratio 7:9. If their total is 160, what is the first quantity?

- (A) 90
- (B) 20
- (C) 70
- (D) 160

Answer: C

Explanation: Total parts = 16. One part = $160/16 = 10$; first quantity = $7 \times 10 = 70$.

Q825. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 162
- (B) 18.0
- (C) 57
- (D) 189.0

Answer: A

Explanation: Distance = speed x time = $54 \times 3 = 162$ km.

Q826. Find the simple interest on Rs. 1500 at 10% per annum for 4 years.

- (A) 600
- (B) 150
- (C) 450
- (D) 750

Answer: A

Explanation: $SI = \frac{PRT}{100} = 1500 \times 10 \times 4/100 = \text{Rs. } 600$.

Q827. A can finish a work in 10 days and B in 20 days. In how many days can they finish it together?

- (A) 6.67
- (B) 15.0
- (C) 10
- (D) 20.0

Answer: A

Explanation: Combined rate = $1/10 + 1/20 = (30)/200$; time = $200/30 = 6.67$ days.

Q828. A can finish a work in 8 days and B in 15 days. In how many days can they finish it together?

- (A) 7
- (B) 17.14
- (C) 5.22
- (D) 11.5

Answer: C

Explanation: Combined rate = $1/8 + 1/15 = (23)/120$; time = $120/23 = 5.22$ days.

Q829. 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 = $600 \times (1 + 10/100) = \text{Rs. } 660$.

Q830. Find the simple interest on Rs. 3000 at 12% per annum for 4 years.

- (A) 1140
- (B) 1440
- (C) 1740
- (D) 360

Answer: B

Explanation: $SI = PRT/100 = 3000 \times 12 \times 4/100 = \text{Rs. } 1440$.

Q831. A vehicle travels at 30 km/h for 2.5 hours. What distance does it cover?

- (A) 90.0
- (B) 12.0
- (C) 32.5
- (D) 75

Answer: D

Explanation: Distance = speed $\times$ time = $30 \times 2.5 = 75$ km.

Q832. A can finish a work in 18 days and B in 24 days. In how many days can they finish it together?

- (A) 72.0
- (B) 6
- (C) 10.29
- (D) 21.0

Answer: C

Explanation: Combined rate = $1/18 + 1/24 = (42)/432$; time = $432/42 = 10.29$ days.

Q833. Find the average of 48, 75, 50, 21, 72.

- (A) 51.2
- (B) 55.2
- (C) 66.5
- (D) 53.2

Answer: D

Explanation: Average = sum / count = $266/5 = 53.2$.

Q834. An item costs Rs. 600. At a profit of 30%, what is the selling price?

- (A) 420.0
- (B) 630
- (C) 660
- (D) 780

Answer: D

Explanation: Selling price = $600 \times (1 + 30/100) = \text{Rs. } 780$.

Q835. An item costs Rs. 600. At a profit of 20%, what is the selling price?

- (A) 480.0
- (B) 720
- (C) 640
- (D) 620

Answer: B

Explanation: Selling price = $600 \times (1 + 20/100) = \text{Rs. } 720$.

Q836. A can finish a work in 8 days and B in 18 days. In how many days can they finish it together?

- (A) 5.54
- (B) 13.0
- (C) 14.4
- (D) 10

Answer: A

Explanation: Combined rate = $1/8 + 1/18 = (26)/144$; time = $144/26 = 5.54$ days.

Q837. Find the simple interest on Rs. 3000 at 8% per annum for 2 years.

- (A) 480
- (B) 180
- (C) 780
- (D) 240

Answer: A

Explanation: $SI = PRT/100 = 3000 \times 8 \times 2/100 = \text{Rs. } 480$.

Q838. Find the simple interest on Rs. 1200 at 10% per annum for 4 years.

- (A) 480
- (B) 360
- (C) 600
- (D) 120

Answer: A

Explanation: $SI = PRT/100 = 1200 \times 10 \times 4/100 = \text{Rs. } 480$.

Q839. What is 35% of 180?

- (A) 81.0
- (B) 72.0
- (C) 54.0
- (D) 63

Answer: D

Explanation: $35\% \text{ of } 180 = (35/100) \times 180 = 63$.

Q840. What is 20% of 180?

- (A) 27.0
- (B) 45.0
- (C) 36
- (D) 54.0

Answer: C

Explanation: $20\% \text{ of } 180 = (20/100) \times 180 = 36$.

Q841. Two quantities are in the ratio 2:3. If their total is 70, what is the first quantity?

- (A) 28
- (B) 14
- (C) 42
- (D) 70

Answer: A

Explanation: Total parts = 5. One part = $70/5 = 14$; first quantity = $2 \times 14 = 28$.

Q842. Find the average of 70, 73, 70, 33, 49.

- (A) 61
- (B) 59
- (C) 73.8
- (D) 57

Answer: B

Explanation: Average = sum / count = $295/5 = 59$.

Q843. A vehicle travels at 45 km/h for 2 hours. What distance does it cover?

- (A) 47
- (B) 22.5
- (C) 90
- (D) 112.5

Answer: C

Explanation: Distance = speed x time = $45 \times 2 = 90$ km.

Q844. What is 10% of 400?

- (A) 80.0
- (B) 60.0
- (C) 20.0
- (D) 40

Answer: D

Explanation: 10% of 400 = $(10/100) \times 400 = 40$.

Q845. Two quantities are in the ratio 5:7. If their total is 108, what is the first quantity?

- (A) 18
- (B) 108
- (C) 45
- (D) 63

Answer: C

Explanation: Total parts = 12. One part = $108/12 = 9$; first quantity = $5 \times 9 = 45$.

Q846. Find the average of 76, 15, 48, 74, 64.

- (A) 55.4
- (B) 57.4
- (C) 69.2
- (D) 53.4

Answer: A

Explanation: Average = sum / count = $277/5 = 55.4$.

Q847. Two quantities are in the ratio 3:5. If their total is 144, what is the first quantity?

- (A) 90
- (B) 54
- (C) 144
- (D) 36

Answer: B

Explanation: Total parts = 8. One part = $144/8 = 18$; first quantity = $3 \times 18 = 54$.

Q848. What is 15% of 450?

- (A) 112.5
- (B) 67.5
- (C) 90.0
- (D) 45.0

Answer: B

Explanation: 15% of 450 = $(15/100) \times 450 = 67.5$.

Q849. Find the average of 76, 46, 18, 69, 56.

- (A) 53
- (B) 51
- (C) 66.2
- (D) 55

Answer: A

Explanation: Average = sum / count = $265/5 = 53$.

Q850. A can finish a work in 18 days and B in 24 days. In how many days can they finish it together?

- (A) 72.0
- (B) 21.0
- (C) 10.29
- (D) 6

Answer: C

Explanation: Combined rate = $1/18 + 1/24 = (42)/432$; time = $432/42 = 10.29$ days.

Q851. What is 5% of 360?

- (A) 18
- (B) 54.0
- (C) 36.0
- (D) 0

Answer: A

Explanation: 5% of 360 = $(5/100) \times 360 = 18$.

Q852. A can finish a work in 20 days and B in 12 days. In how many days can they finish it together?

- (A) 240.0
- (B) 16.0
- (C) 7.5
- (D) 8

Answer: C

Explanation: Combined rate = $1/20 + 1/12 = (32)/240$; time = $240/32 = 7.5$ days.

Q853. Find the average of 44, 23, 56, 78, 53.

- (A) 48.8
- (B) 50.8
- (C) 52.8
- (D) 63.5

Answer: B

Explanation: Average = sum / count = $254/5 = 50.8$.

Q854. What is 50% of 300?

- (A) 135.0
- (B) 180.0
- (C) 165.0
- (D) 150

Answer: D

Explanation: 50% of 300 = $(50/100) \times 300 = 150$.

Q855. Two quantities are in the ratio 5:7. If their total is 84, what is the first quantity?

- (A) 14
- (B) 35
- (C) 49
- (D) 84

Answer: B

Explanation: Total parts = 12. One part = $84/12 = 7$; first quantity = $5 \times 7 = 35$.

Q856. Find the average of 53, 71, 13, 80, 69.

- (A) 55.2
- (B) 71.5
- (C) 59.2
- (D) 57.2

Answer: D

Explanation: Average = sum / count = $286/5 = 57.2$.

Q857. What is 12.5% of 450?

- (A) 33.75
- (B) 78.75
- (C) 101.25
- (D) 56.25

Answer: D

Explanation: 12.5% of 450 = $(12.5/100) \times 450 = 56.25$.

Q858. What is 50% of 300?

- (A) 165.0
- (B) 150
- (C) 180.0
- (D) 135.0

Answer: B

Explanation: 50% of 300 = $(50/100) \times 300 = 150$.

Q859. What is 10% of 400?

- (A) 20.0
- (B) 60.0
- (C) 80.0
- (D) 40

Answer: D

Explanation: $10\% \text{ of } 400 = (10/100) \times 400 = 40$.

Q860. Two quantities are in the ratio 4:5. If their total is 144, what is the first quantity?

- (A) 64
- (B) 144
- (C) 80
- (D) 16

Answer: A

Explanation: Total parts = 9. One part = $144/9 = 16$; first quantity = $4 \times 16 = 64$.

Q861. What is 25% of 120?

- (A) 42.0
- (B) 24.0
- (C) 36.0
- (D) 30

Answer: D

Explanation: $25\% \text{ of } 120 = (25/100) \times 120 = 30$.

Q862. Find the simple interest on Rs. 1200 at 6% per annum for 2 years.

- (A) 264
- (B) 144
- (C) 24
- (D) 72

Answer: B

Explanation: $SI = PRT/100 = 1200 \times 6 \times 2/100 = \text{Rs. } 144$.

Q863. Find the simple interest on Rs. 2000 at 5% per annum for 3 years.

- (A) 100
- (B) 500
- (C) 751
- (D) 300

Answer: D

Explanation: $SI = PRT/100 = 2000 \times 5 \times 3/100 = \text{Rs. } 300$.

Q864. An item costs Rs. 800. At a profit of 30%, what is the selling price?

- (A) 860
- (B) 830
- (C) 1040
- (D) 560.0

Answer: C

Explanation: Selling price = $800 \times (1 + 30/100) = \text{Rs. } 1040$.

Q865. A vehicle travels at 36 km/h for 3.5 hours. What distance does it cover?

- (A) 144.0
- (B) 10.29
- (C) 126
- (D) 39.5

Answer: C

Explanation: Distance = speed x time = $36 \times 3.5 = 126$ km.

Q866. Find the average of 36, 64, 67, 69, 67.

- (A) 62.6
- (B) 60.6
- (C) 75.8
- (D) 58.6

Answer: B

Explanation: Average = sum / count = $303/5 = 60.6$.

Q867. A vehicle travels at 72 km/h for 2.5 hours. What distance does it cover?

- (A) 74.5
- (B) 180
- (C) 216.0
- (D) 28.8

Answer: B

Explanation: Distance = speed x time = $72 \times 2.5 = 180$ km.

Q868. An item costs Rs. 320. At a profit of 20%, what is the selling price?

- (A) 256.0
- (B) 384
- (C) 360
- (D) 340

Answer: B

Explanation: Selling price = $320 \times (1 + 20/100) = \text{Rs. } 384$.

Q869. Find the simple interest on Rs. 1000 at 12% per annum for 4 years.

- (A) 120
- (B) 580
- (C) 380
- (D) 480

Answer: D

Explanation: SI = $PRT/100 = 1000 \times 12 \times 4/100 = \text{Rs. } 480$.

Q870. A can finish a work in 6 days and B in 20 days. In how many days can they finish it together?

- (A) 8.57
- (B) 13.0
- (C) 4.62
- (D) 14

Answer: C

Explanation: Combined rate = $1/6 + 1/20 = (26)/120$; time = $120/26 = 4.62$ days.

Q871. What is 35% of 150?

- (A) 45.0
- (B) 60.0
- (C) 52.5
- (D) 67.5

Answer: C

Explanation: 35% of 150 = $(35/100) \times 150 = 52.5$.

Q872. What is 50% of 200?

- (A) 120.0
- (B) 90.0
- (C) 100
- (D) 110.0

Answer: C

Explanation: 50% of 200 = $(50/100) \times 200 = 100$.

Q873. Two quantities are in the ratio 4:5. If their total is 153, what is the first quantity?

- (A) 68
- (B) 17
- (C) 85
- (D) 153

Answer: A

Explanation: Total parts = 9. One part = $153/9 = 17$; first quantity = $4 \times 17 = 68$.

Q874. What is 35% of 250?

- (A) 100.0
- (B) 75.0
- (C) 112.5
- (D) 87.5

Answer: D

Explanation: 35% of 250 = $(35/100) \times 250 = 87.5$.

Q875. 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 = $1/15 + 1/30 = (45)/450$; time = $450/45 = 10.0$ days.

Q876. An item costs Rs. 400. At a profit of 15%, what is the selling price?

- (A) 430
- (B) 460
- (C) 340.0
- (D) 415

Answer: B

Explanation: Selling price = $400 \times (1 + 15/100) = \text{Rs. } 460$.

Q877. What is 5% of 400?

- (A) 0
- (B) 60.0
- (C) 40.0
- (D) 20

Answer: D

Explanation: $5\% \text{ of } 400 = (5/100) \times 400 = 20.$

Q878. Two quantities are in the ratio 7:9. If their total is 176, what is the first quantity?

- (A) 22
- (B) 176
- (C) 99
- (D) 77

Answer: D

Explanation: Total parts = 16. One part = $176/16 = 11$; first quantity = $7 \times 11 = 77.$

Q879. An item costs Rs. 320. At a profit of 25%, what is the selling price?

- (A) 400
- (B) 240.0
- (C) 345
- (D) 370

Answer: A

Explanation: Selling price = $320 \times (1 + 25/100) = \text{Rs. } 400.$

Q880. Two quantities are in the ratio 2:3. If their total is 65, what is the first quantity?

- (A) 39
- (B) 13
- (C) 65
- (D) 26

Answer: D

Explanation: Total parts = 5. One part = $65/5 = 13$; first quantity = $2 \times 13 = 26.$

Q881. An item costs Rs. 750. At a profit of 30%, what is the selling price?

- (A) 975
- (B) 525.0
- (C) 780
- (D) 810

Answer: A

Explanation: Selling price = $750 \times (1 + 30/100) = \text{Rs. } 975.$

Q882. Find the average of 70, 30, 30, 52, 54.

- (A) 49.2
- (B) 59.0
- (C) 45.2
- (D) 47.2

Answer: D

Explanation: Average = $\text{sum} / \text{count} = 236/5 = 47.2.$

Q883. An item costs Rs. 200. At a profit of 10%, what is the selling price?

- (A) 210
- (B) 220
- (C) 180.0
- (D) 990

Answer: B

Explanation: Selling price = $200 \times (1 + 10/100) = \text{Rs. } 220$.

Q884. Find the average of 70, 37, 34, 27, 69.

- (A) 47.4
- (B) 59.2
- (C) 45.4
- (D) 49.4

Answer: A

Explanation: Average = sum / count = $237/5 = 47.4$.

Q885. Find the simple interest on Rs. 4000 at 5% per annum for 4 years.

- (A) 800
- (B) 200
- (C) 400
- (D) 1200

Answer: A

Explanation: $SI = PRT/100 = 4000 \times 5 \times 4/100 = \text{Rs. } 800$.

Q886. An item costs Rs. 600. At a profit of 15%, what is the selling price?

- (A) 510.0
- (B) 690
- (C) 615
- (D) 630

Answer: B

Explanation: Selling price = $600 \times (1 + 15/100) = \text{Rs. } 690$.

Q887. Find the simple interest on Rs. 1200 at 8% per annum for 3 years.

- (A) 96
- (B) 288
- (C) 168
- (D) 408

Answer: B

Explanation: $SI = PRT/100 = 1200 \times 8 \times 3/100 = \text{Rs. } 288$.

Q888. A vehicle travels at 50 km/h for 2.5 hours. What distance does it cover?

- (A) 125
- (B) 52.5
- (C) 150.0
- (D) 20.0

Answer: A

Explanation: Distance = speed x time = $50 \times 2.5 = 125 \text{ km}$.

Q889. Two quantities are in the ratio 5:7. If their total is 72, what is the first quantity?

- (A) 30
- (B) 72
- (C) 42
- (D) 12

Answer: A

Explanation: Total parts = 12. One part = $72/12 = 6$; first quantity = $5 \times 6 = 30$.

Q890. 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) 16.5
- (C) 270.0
- (D) 3

Answer: A

Explanation: Combined rate = $1/18 + 1/15 = (33)/270$; time = $270/33 = 8.18$ days.

Q891. An item costs Rs. 500. At a profit of 10%, what is the selling price?

- (A) 550
- (B) 450.0
- (C) 510
- (D) 520

Answer: A

Explanation: Selling price = $500 \times (1 + 10/100) = \text{Rs. } 550$.

Q892. A can finish a work in 10 days and B in 30 days. In how many days can they finish it together?

- (A) 15.0
- (B) 20.0
- (C) 20
- (D) 7.5

Answer: D

Explanation: Combined rate = $1/10 + 1/30 = (40)/300$; time = $300/40 = 7.5$ days.

Q893. Two quantities are in the ratio 7:9. If their total is 128, what is the first quantity?

- (A) 56
- (B) 128
- (C) 16
- (D) 72

Answer: A

Explanation: Total parts = 16. One part = $128/16 = 8$; first quantity = $7 \times 8 = 56$.

Q894. Find the average of 48, 12, 67, 32, 64.

- (A) 44.6
- (B) 46.6
- (C) 42.6
- (D) 55.8

Answer: A

Explanation: Average = sum / count = $223/5 = 44.6$.

Q895. Find the average of 13, 10, 10, 40, 17.

- (A) 18
- (B) 22.5
- (C) 20
- (D) 16

Answer: A

Explanation: Average = sum / count = $90/5 = 18$.

Q896. What is 10% of 160?

- (A) 24.0
- (B) 8.0
- (C) 16
- (D) 32.0

Answer: C

Explanation: 10% of 160 = $(10/100) \times 160 = 16$.

Q897. Find the simple interest on Rs. 2500 at 6% per annum for 4 years.

- (A) 350
- (B) 150
- (C) 600
- (D) 850

Answer: C

Explanation: $SI = PRT/100 = 2500 \times 6 \times 4/100 = \text{Rs. } 600$.

Q898. A vehicle travels at 54 km/h for 4 hours. What distance does it cover?

- (A) 58
- (B) 243.0
- (C) 216
- (D) 13.5

Answer: C

Explanation: Distance = speed x time = $54 \times 4 = 216 \text{ km}$.

Q899. Two quantities are in the ratio 2:3. If their total is 20, what is the first quantity?

- (A) 8
- (B) 12
- (C) 20
- (D) 4

Answer: A

Explanation: Total parts = 5. One part = $20/5 = 4$; first quantity = $2 \times 4 = 8$.

Q900. Find the average of 60, 56, 63, 58, 79.

- (A) 65.2
- (B) 63.2
- (C) 61.2
- (D) 79.0

Answer: B

Explanation: Average = sum / count = $316/5 = 63.2$.

Q901. 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: $SI = \frac{PRT}{100} = \frac{2500 \times 6 \times 4}{100} = \text{Rs. } 600.$

Q902. Find the average of 22, 39, 57, 75, 56.

- (A) 49.8
- (B) 51.8
- (C) 62.2
- (D) 47.8

Answer: A

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{249}{5} = 49.8.$

Q903. Find the simple interest on Rs. 4000 at 6% per annum for 3 years.

- (A) 240
- (B) 1120
- (C) 720
- (D) 320

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{4000 \times 6 \times 3}{100} = \text{Rs. } 720.$

Q904. What is 75% of 480?

- (A) 384.0
- (B) 360
- (C) 336.0
- (D) 408.0

Answer: B

Explanation: $75\% \text{ of } 480 = \left(\frac{75}{100}\right) \times 480 = 360.$

Q905. Find the average of 20, 11, 35, 72, 67.

- (A) 41
- (B) 43
- (C) 51.2
- (D) 39

Answer: A

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{205}{5} = 41.$

Q906. An item costs Rs. 240. At a profit of 20%, what is the selling price?

- (A) 280
- (B) 288
- (C) 192.0
- (D) 260

Answer: B

Explanation: $\text{Selling price} = 240 \times \left(1 + \frac{20}{100}\right) = \text{Rs. } 288.$

Q907. Find the average of 75, 30, 55, 42, 48.

- (A) 50
- (B) 48
- (C) 52
- (D) 62.5

Answer: A

Explanation: Average = sum / count = $250/5 = 50$.

Q908. Find the average of 69, 28, 39, 20, 73.

- (A) 57.2
- (B) 47.8
- (C) 45.8
- (D) 43.8

Answer: C

Explanation: Average = sum / count = $229/5 = 45.8$.

Q909. A vehicle travels at 72 km/h for 2.5 hours. What distance does it cover?

- (A) 180
- (B) 28.8
- (C) 74.5
- (D) 216.0

Answer: A

Explanation: Distance = speed x time = $72 \times 2.5 = 180$ km.

Q910. What is 35% of 800?

- (A) 360.0
- (B) 240.0
- (C) 320.0
- (D) 280

Answer: D

Explanation: 35% of 800 = $(35/100) \times 800 = 280$.

Q911. Find the average of 79, 68, 31, 79, 43.

- (A) 60
- (B) 62
- (C) 58
- (D) 75.0

Answer: A

Explanation: Average = sum / count = $300/5 = 60$.

Q912. An item costs Rs. 300. At a profit of 25%, what is the selling price?

- (A) 225.0
- (B) 375
- (C) 350
- (D) 325

Answer: B

Explanation: Selling price = $300 \times (1 + 25/100) = \text{Rs. } 375$.

Q913. Find the average of 76, 45, 26, 32, 46.

- (A) 45
- (B) 47
- (C) 56.2
- (D) 43

Answer: A

Explanation: Average = sum / count = $225/5 = 45$.

Q914. Find the average of 50, 74, 42, 61, 41.

- (A) 53.6
- (B) 55.6
- (C) 67.0
- (D) 51.6

Answer: A

Explanation: Average = sum / count = $268/5 = 53.6$.

Q915. Two quantities are in the ratio 5:7. If their total is 108, what is the first quantity?

- (A) 18
- (B) 45
- (C) 108
- (D) 63

Answer: B

Explanation: Total parts = 12. One part = $108/12 = 9$; first quantity = $5 \times 9 = 45$.

Q916. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?

- (A) 11.25
- (B) 202.5
- (C) 49
- (D) 180

Answer: D

Explanation: Distance = speed x time = $45 \times 4 = 180$ km.

Q917. A vehicle travels at 72 km/h for 2.5 hours. What distance does it cover?

- (A) 74.5
- (B) 28.8
- (C) 216.0
- (D) 180

Answer: D

Explanation: Distance = speed x time = $72 \times 2.5 = 180$ km.

Q918. Two quantities are in the ratio 7:9. If their total is 240, what is the first quantity?

- (A) 240
- (B) 105
- (C) 30
- (D) 135

Answer: B

Explanation: Total parts = 16. One part = $240/16 = 15$; first quantity = $7 \times 15 = 105$.

Q919. A can finish a work in 8 days and B in 24 days. In how many days can they finish it together?

- (A) 16.0
- (B) 16
- (C) 6.0
- (D) 12.0

Answer: C

Explanation: Combined rate = $\frac{1}{8} + \frac{1}{24} = \frac{32}{192}$; time = $\frac{192}{32} = 6.0$ days.

Q920. A can finish a work in 12 days and B in 15 days. In how many days can they finish it together?

- (A) 60.0
- (B) 6.67
- (C) 13.5
- (D) 3

Answer: B

Explanation: Combined rate = $\frac{1}{12} + \frac{1}{15} = \frac{27}{180}$; time = $\frac{180}{27} = 6.67$ days.

Q921. Two quantities are in the ratio 3:4. If their total is 84, what is the first quantity?

- (A) 84
- (B) 36
- (C) 48
- (D) 12

Answer: B

Explanation: Total parts = 7. One part = $\frac{84}{7} = 12$; first quantity = $3 \times 12 = 36$.

Q922. 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) 3
- (C) 60.0
- (D) 13.5

Answer: A

Explanation: Combined rate = $\frac{1}{12} + \frac{1}{15} = \frac{27}{180}$; time = $\frac{180}{27} = 6.67$ days.

Q923. A can finish a work in 15 days and B in 20 days. In how many days can they finish it together?

- (A) 17.5
- (B) 8.57
- (C) 60.0
- (D) 5

Answer: B

Explanation: Combined rate = $\frac{1}{15} + \frac{1}{20} = \frac{35}{300}$; time = $\frac{300}{35} = 8.57$ days.

Q924. Find the average of 13, 52, 54, 75, 12.

- (A) 51.5
- (B) 41.2
- (C) 39.2
- (D) 43.2

Answer: B

Explanation: Average = sum / count = $\frac{206}{5} = 41.2$.

Q925. Find the simple interest on Rs. 1000 at 8% per annum for 3 years.

- (A) 340
- (B) 140
- (C) 240
- (D) 80

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 8 \times 3}{100} = \text{Rs. } 240.$

Q926. Two quantities are in the ratio 3:5. If their total is 72, what is the first quantity?

- (A) 45
- (B) 18
- (C) 27
- (D) 72

Answer: C

Explanation: Total parts = 8. One part = $72/8 = 9$; first quantity = $3 \times 9 = 27.$

Q927. Find the average of 79, 51, 22, 62, 39.

- (A) 48.6
- (B) 63.2
- (C) 52.6
- (D) 50.6

Answer: D

Explanation: Average = $\text{sum} / \text{count} = 253/5 = 50.6.$

Q928. Find the simple interest on Rs. 1500 at 10% per annum for 2 years.

- (A) 150
- (B) 300
- (C) 450
- (D) 368

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{1500 \times 10 \times 2}{100} = \text{Rs. } 300.$

Q929. 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.

Q930. 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 $\times$ time = $40 \times 3 = 120$ km.

Q931. An item costs Rs. 750. At a profit of 30%, what is the selling price?

- (A) 810
- (B) 780
- (C) 975
- (D) 525.0

Answer: C

Explanation: Selling price = $750 \times (1 + 30/100) = \text{Rs. } 975$.

Q932. Find the simple interest on Rs. 1500 at 12% per annum for 2 years.

- (A) 180
- (B) 360
- (C) 210
- (D) 510

Answer: B

Explanation: $SI = PRT/100 = 1500 \times 12 \times 2/100 = \text{Rs. } 360$.

Q933. Two quantities are in the ratio 2:3. If their total is 50, what is the first quantity?

- (A) 10
- (B) 20
- (C) 50
- (D) 30

Answer: B

Explanation: Total parts = 5. One part = $50/5 = 10$; first quantity = $2 \times 10 = 20$.

Q934. Two quantities are in the ratio 4:5. If their total is 90, what is the first quantity?

- (A) 90
- (B) 40
- (C) 10
- (D) 50

Answer: B

Explanation: Total parts = 9. One part = $90/9 = 10$; first quantity = $4 \times 10 = 40$.

Q935. Two quantities are in the ratio 2:3. If their total is 90, what is the first quantity?

- (A) 54
- (B) 36
- (C) 18
- (D) 90

Answer: B

Explanation: Total parts = 5. One part = $90/5 = 18$; first quantity = $2 \times 18 = 36$.

Q936. 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: Distance = speed $\times$ time = $50 \times 4 = 200 \text{ km}$.

Q937. A vehicle travels at 36 km/h for 2 hours. What distance does it cover?

- (A) 72
- (B) 18.0
- (C) 38
- (D) 90.0

Answer: A

Explanation: Distance = speed x time = $36 \times 2 = 72$ km.

Q938. A can finish a work in 18 days and B in 12 days. In how many days can they finish it together?

- (A) 216.0
- (B) 6
- (C) 7.2
- (D) 15.0

Answer: C

Explanation: Combined rate = $1/18 + 1/12 = (30)/216$; time = $216/30 = 7.2$ days.

Q939. A can finish a work in 12 days and B in 15 days. In how many days can they finish it together?

- (A) 3
- (B) 60.0
- (C) 13.5
- (D) 6.67

Answer: D

Explanation: Combined rate = $1/12 + 1/15 = (27)/180$; time = $180/27 = 6.67$ days.

Q940. A can finish a work in 6 days and B in 18 days. In how many days can they finish it together?

- (A) 9.0
- (B) 4.5
- (C) 12
- (D) 12.0

Answer: B

Explanation: Combined rate = $1/6 + 1/18 = (24)/108$; time = $108/24 = 4.5$ days.

Q941. What is 75% of 450?

- (A) 360.0
- (B) 382.5
- (C) 337.5
- (D) 315.0

Answer: C

Explanation: 75% of 450 = $(75/100) \times 450 = 337.5$.

Q942. What is 35% of 360?

- (A) 108.0
- (B) 162.0
- (C) 144.0
- (D) 126

Answer: D

Explanation: 35% of 360 = $(35/100) \times 360 = 126$.

Q943. An item costs Rs. 800. At a profit of 25%, what is the selling price?

- (A) 600.0
- (B) 1000
- (C) 825
- (D) 850

Answer: B

Explanation: Selling price = $800 \times (1 + 25/100) = \text{Rs. } 1000$.

Q944. Find the simple interest on Rs. 1500 at 6% per annum for 4 years.

- (A) 510
- (B) 360
- (C) 90
- (D) 210

Answer: B

Explanation: $SI = PRT/100 = 1500 \times 6 \times 4/100 = \text{Rs. } 360$.

Q945. A vehicle travels at 30 km/h for 2 hours. What distance does it cover?

- (A) 15.0
- (B) 60
- (C) 32
- (D) 75.0

Answer: B

Explanation: Distance = speed $\times$ time = $30 \times 2 = 60$ km.

Q946. What is 75% of 180?

- (A) 135
- (B) 153.0
- (C) 144.0
- (D) 126.0

Answer: A

Explanation: 75% of 180 = $(75/100) \times 180 = 135$.

Q947. Find the average of 53, 66, 51, 37, 64.

- (A) 54.2
- (B) 56.2
- (C) 52.2
- (D) 67.8

Answer: A

Explanation: Average = sum / count = $271/5 = 54.2$.

Q948. Two quantities are in the ratio 5:7. If their total is 192, what is the first quantity?

- (A) 80
- (B) 32
- (C) 112
- (D) 192

Answer: A

Explanation: Total parts = 12. One part = $192/12 = 16$; first quantity = $5 \times 16 = 80$.

Q949. A vehicle travels at 36 km/h for 4 hours. What distance does it cover?

- (A) 9.0
- (B) 40
- (C) 162.0
- (D) 144

Answer: D

Explanation: Distance = speed x time = $36 \times 4 = 144$ km.

Q950. An item costs Rs. 240. At a profit of 12%, what is the selling price?

- (A) 264
- (B) 252
- (C) 268.8
- (D) 211.2

Answer: C

Explanation: Selling price = $240 \times (1 + 12/100) = \text{Rs. } 268.8$.

Q951. Find the average of 48, 54, 78, 32, 21.

- (A) 46.6
- (B) 58.2
- (C) 44.6
- (D) 48.6

Answer: A

Explanation: Average = sum / count = $233/5 = 46.6$.

Q952. Find the average of 35, 51, 13, 41, 22.

- (A) 40.5
- (B) 34.4
- (C) 30.4
- (D) 32.4

Answer: D

Explanation: Average = sum / count = $162/5 = 32.4$.

Q953. What is 5% of 450?

- (A) 0
- (B) 67.5
- (C) 45.0
- (D) 22.5

Answer: D

Explanation: 5% of 450 = $(5/100) \times 450 = 22.5$.

Q954. What is 75% of 150?

- (A) 127.5
- (B) 120.0
- (C) 112.5
- (D) 105.0

Answer: C

Explanation: 75% of 150 = $(75/100) \times 150 = 112.5$.

Q955. Find the simple interest on Rs. 1000 at 5% per annum for 4 years.

- (A) 100
- (B) 200
- (C) 50
- (D) 300

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 5 \times 4}{100} = \text{Rs. } 200.$

Q956. An item costs Rs. 240. At a profit of 30%, what is the selling price?

- (A) 312
- (B) 270
- (C) 300
- (D) 168.0

Answer: A

Explanation: Selling price = $240 \times (1 + \frac{30}{100}) = \text{Rs. } 312.$

Q957. Find the average of 10, 39, 61, 37, 22.

- (A) 42.2
- (B) 35.8
- (C) 33.8
- (D) 31.8

Answer: C

Explanation: Average = $\frac{\text{sum}}{\text{count}} = \frac{169}{5} = 33.8.$

Q958. Find the average of 52, 67, 55, 77, 74.

- (A) 63
- (B) 81.2
- (C) 67
- (D) 65

Answer: D

Explanation: Average = $\frac{\text{sum}}{\text{count}} = \frac{325}{5} = 65.$

Q959. Find the simple interest on Rs. 3000 at 5% per annum for 2 years.

- (A) 600
- (B) 1
- (C) 300
- (D) 150

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 5 \times 2}{100} = \text{Rs. } 300.$

Q960. Find the average of 55, 13, 36, 37, 46.

- (A) 35.4
- (B) 37.4
- (C) 46.8
- (D) 39.4

Answer: B

Explanation: Average = $\frac{\text{sum}}{\text{count}} = \frac{187}{5} = 37.4.$

Q961. Two quantities are in the ratio 4:5. If their total is 45, what is the first quantity?

- (A) 45
- (B) 20
- (C) 5
- (D) 25

Answer: B

Explanation: Total parts = 9. One part = $45/9 = 5$; first quantity = $4 \times 5 = 20$.

Q962. A vehicle travels at 54 km/h for 2.5 hours. What distance does it cover?

- (A) 135
- (B) 21.6
- (C) 162.0
- (D) 56.5

Answer: A

Explanation: Distance = speed $\times$ time = $54 \times 2.5 = 135$ km.

Q963. Find the simple interest on Rs. 2000 at 12% per annum for 3 years.

- (A) 920
- (B) 720
- (C) 240
- (D) 520

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{2000 \times 12 \times 3}{100} = \text{Rs. } 720$.

Q964. What is 60% of 150?

- (A) 82.5
- (B) 105.0
- (C) 90
- (D) 97.5

Answer: C

Explanation: 60% of 150 = $(60/100) \times 150 = 90$.

Q965. Find the simple interest on Rs. 1200 at 8% per annum for 3 years.

- (A) 288
- (B) 168
- (C) 96
- (D) 408

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{1200 \times 8 \times 3}{100} = \text{Rs. } 288$.

Q966. 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) 19.0
- (C) 2
- (D) 9.47

Answer: D

Explanation: Combined rate = $1/20 + 1/18 = (38)/360$; time = $360/38 = 9.47$ days.

Q967. An item costs Rs. 800. At a profit of 12%, what is the selling price?

- (A) 824
- (B) 896
- (C) 704.0
- (D) 812

Answer: B

Explanation: Selling price = $800 \times (1 + 12/100) = \text{Rs. } 896$.

Q968. Find the average of 52, 12, 42, 10, 35.

- (A) 37.8
- (B) 32.2
- (C) 30.2
- (D) 28.2

Answer: C

Explanation: Average = sum / count = $151/5 = 30.2$.

Q969. Find the simple interest on Rs. 5000 at 8% per annum for 3 years.

- (A) 700
- (B) 400
- (C) 1200
- (D) 1700

Answer: C

Explanation: SI = $PRT/100 = 5000 \times 8 \times 3/100 = \text{Rs. } 1200$.

Q970. A vehicle travels at 72 km/h for 3 hours. What distance does it cover?

- (A) 75
- (B) 252.0
- (C) 216
- (D) 24.0

Answer: C

Explanation: Distance = speed x time = $72 \times 3 = 216 \text{ km}$.

Q971. Find the average of 14, 56, 23, 27, 30.

- (A) 32
- (B) 37.5
- (C) 28
- (D) 30

Answer: D

Explanation: Average = sum / count = $150/5 = 30$.

Q972. An item costs Rs. 500. At a profit of 12%, what is the selling price?

- (A) 560
- (B) 524
- (C) 512
- (D) 440.0

Answer: A

Explanation: Selling price = $500 \times (1 + 12/100) = \text{Rs. } 560$.

Q973. Find the average of 29, 57, 41, 62, 49.

- (A) 45.6
- (B) 59.5
- (C) 49.6
- (D) 47.6

Answer: D

Explanation: Average = sum / count = $238/5 = 47.6$.

Q974. Two quantities are in the ratio 2:3. If their total is 40, what is the first quantity?

- (A) 40
- (B) 8
- (C) 16
- (D) 24

Answer: C

Explanation: Total parts = 5. One part = $40/5 = 8$; first quantity = $2 \times 8 = 16$.

Q975. A can finish a work in 6 days and B in 12 days. In how many days can they finish it together?

- (A) 6
- (B) 4.0
- (C) 12.0
- (D) 9.0

Answer: B

Explanation: Combined rate = $1/6 + 1/12 = (18)/72$; time = $72/18 = 4.0$ days.

Q976. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?

- (A) 180
- (B) 49
- (C) 202.5
- (D) 11.25

Answer: A

Explanation: Distance = speed x time = $45 \times 4 = 180$ km.

Q977. 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) 9.23
- (C) 40.0
- (D) 9

Answer: B

Explanation: Combined rate = $1/15 + 1/24 = (39)/360$; time = $360/39 = 9.23$ days.

Q978. Find the simple interest on Rs. 4000 at 6% per annum for 2 years.

- (A) 80
- (B) 480
- (C) 240
- (D) 880

Answer: B

Explanation: SI = $PRT/100 = 4000 \times 6 \times 2/100 = \text{Rs. } 480$.

Q979. Find the simple interest on Rs. 3000 at 5% per annum for 2 years.

- (A) 600
- (B) 300
- (C) 150
- (D) 1

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 5 \times 2}{100} = \text{Rs. } 300.$

Q980. Two quantities are in the ratio 3:5. If their total is 96, what is the first quantity?

- (A) 96
- (B) 24
- (C) 36
- (D) 60

Answer: C

Explanation: Total parts = 8. One part = $96/8 = 12$; first quantity = $3 \times 12 = 36.$

Q981. An item costs Rs. 400. At a profit of 25%, what is the selling price?

- (A) 450
- (B) 500
- (C) 300.0
- (D) 425

Answer: B

Explanation: Selling price = $400 \times (1 + 25/100) = \text{Rs. } 500.$

Q982. Two quantities are in the ratio 5:7. If their total is 168, what is the first quantity?

- (A) 168
- (B) 28
- (C) 98
- (D) 70

Answer: D

Explanation: Total parts = 12. One part = $168/12 = 14$; first quantity = $5 \times 14 = 70.$

Q983. 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) 3
- (C) 8.18
- (D) 270.0

Answer: C

Explanation: Combined rate = $1/18 + 1/15 = (33)/270$; time = $270/33 = 8.18$ days.

Q984. 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) 180.0
- (C) 6.67
- (D) 3

Answer: C

Explanation: Combined rate = $1/15 + 1/12 = (27)/180$; time = $180/27 = 6.67$ days.

Q985. Two quantities are in the ratio 3:5. If their total is 72, what is the first quantity?

- (A) 45
- (B) 27
- (C) 18
- (D) 72

Answer: B

Explanation: Total parts = 8. One part = $72/8 = 9$; first quantity = $3 \times 9 = 27$.

Q986. What is 10% of 300?

- (A) 45.0
- (B) 15.0
- (C) 30
- (D) 60.0

Answer: C

Explanation: 10% of 300 = $(10/100) \times 300 = 30$.

Q987. What is 12.5% of 160?

- (A) 20
- (B) 12.0
- (C) 36.0
- (D) 28.0

Answer: A

Explanation: 12.5% of 160 = $(12.5/100) \times 160 = 20$.

Q988. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?

- (A) 11.25
- (B) 202.5
- (C) 49
- (D) 180

Answer: D

Explanation: Distance = speed $\times$ time = $45 \times 4 = 180$ km.

Q989. What is 25% of 480?

- (A) 96.0
- (B) 120
- (C) 168.0
- (D) 144.0

Answer: B

Explanation: 25% of 480 = $(25/100) \times 480 = 120$.

Q990. A can finish a work in 8 days and B in 30 days. In how many days can they finish it together?

- (A) 19.0
- (B) 10.91
- (C) 6.32
- (D) 22

Answer: C

Explanation: Combined rate = $1/8 + 1/30 = (38)/240$; time = $240/38 = 6.32$ days.

Q991. An item costs Rs. 750. At a profit of 30%, what is the selling price?

- (A) 525.0
- (B) 810
- (C) 780
- (D) 975

Answer: D

Explanation: Selling price = $750 \times (1 + 30/100) = \text{Rs. } 975$.

Q992. An item costs Rs. 200. At a profit of 20%, what is the selling price?

- (A) 160.0
- (B) 240
- (C) 795
- (D) 220

Answer: B

Explanation: Selling price = $200 \times (1 + 20/100) = \text{Rs. } 240$.

Q993. 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 $\times$ time = $36 \times 4 = 144$ km.

Q994. A can finish a work in 15 days and B in 18 days. In how many days can they finish it together?

- (A) 3
- (B) 8.18
- (C) 90.0
- (D) 16.5

Answer: B

Explanation: Combined rate = $1/15 + 1/18 = (33)/270$; time = $270/33 = 8.18$ days.

Q995. What is 60% of 200?

- (A) 120
- (B) 130.0
- (C) 110.0
- (D) 140.0

Answer: A

Explanation: 60% of 200 = $(60/100) \times 200 = 120$.

Q996. Find the simple interest on Rs. 4000 at 6% per annum for 2 years.

- (A) 240
- (B) 880
- (C) 80
- (D) 480

Answer: D

Explanation: SI = $PRT/100 = 4000 \times 6 \times 2/100 = \text{Rs. } 480$.

Q997. Two quantities are in the ratio 3:5. If their total is 56, what is the first quantity?

- (A) 35
- (B) 56
- (C) 14
- (D) 21

Answer: D

Explanation: Total parts = 8. One part = $56/8 = 7$; first quantity = $3 \times 7 = 21$.

Q998. What is 35% of 800?

- (A) 240.0
- (B) 280
- (C) 320.0
- (D) 360.0

Answer: B

Explanation: $35\% \text{ of } 800 = (35/100) \times 800 = 280$.

Q999. A vehicle travels at 45 km/h for 3.5 hours. What distance does it cover?

- (A) 12.86
- (B) 157.5
- (C) 48.5
- (D) 180.0

Answer: B

Explanation: Distance = speed $\times$ time = $45 \times 3.5 = 157.5$ km.

Q1000. Two quantities are in the ratio 3:4. If their total is 84, what is the first quantity?

- (A) 84
- (B) 36
- (C) 12
- (D) 48

Answer: B

Explanation: Total parts = 7. One part = $84/7 = 12$; first quantity = $3 \times 12 = 36$.

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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