

EXAMGURUX

CSIR-UGC NET December 2026 - General Aptitude

1000 Original Part-A Style Practice MCQs with 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: NTA Joint CSIR-UGC NET 2026 Information Bulletin (csirnet.nta.nic.in)

Coverage note: This is a common Part-A style aptitude bank. Subject-specific Parts B/C (Chemical, Earth, Life, Mathematical, Physical Sciences) are not included.

Section	Questions
General Aptitude - Numerical Ability	400
Logical Reasoning	400
General Scientific Aptitude	200

General Aptitude - Numerical Ability

Q1. An item costs Rs. 240. At a profit of 12%, what is the selling price?

- (A) 268.8
- (B) 264
- (C) 211.2
- (D) 252

Answer: A

Explanation: Selling price = $240 \times (1 + 12/100) = \text{Rs. } 268.8$.

Q2. A can finish a work in 6 days and B in 24 days. In how many days can they finish it together?

- (A) 8.0
- (B) 18
- (C) 4.8
- (D) 15.0

Answer: C

Explanation: Combined rate = $1/6 + 1/24 = (30)/144$; time = $144/30 = 4.8$ days.

Q3. What is 40% of 750?

- (A) 337.5
- (B) 375.0
- (C) 262.5
- (D) 300

Answer: D

Explanation: 40% of 750 = $(40/100) \times 750 = 300$.

Q4. A can finish a work in 20 days and B in 12 days. In how many days can they finish it together?

- (A) 7.5
- (B) 8
- (C) 240.0
- (D) 16.0

Answer: A

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

Q5. Two quantities are in the ratio 3:5. If their total is 72, what is the first quantity?

- (A) 18
- (B) 45
- (C) 27
- (D) 72

Answer: C

Explanation: Total parts = 8. One part = $72/8 = 9$; first quantity = $3 \times 9 = 27$.

Q6. A can finish a work in 6 days and B in 18 days. In how many days can they finish it together?

- (A) 12
- (B) 12.0
- (C) 9.0
- (D) 4.5

Answer: D

Explanation: Combined rate = $1/6 + 1/18 = (24)/108$; time = $108/24 = 4.5$ days.

Q7. What is 25% of 180?

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

Answer: B

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

Q8. Two quantities are in the ratio 3:5. If their total is 72, what is the first quantity?

- (A) 27
- (B) 18
- (C) 45
- (D) 72

Answer: A

Explanation: Total parts = 8. One part = $72/8 = 9$; first quantity = $3 \times 9 = 27$.

Q9. Two quantities are in the ratio 7:9. If their total is 144, what is the first quantity?

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

Answer: D

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

Q10. What is 35% of 250?

- (A) 112.5
- (B) 87.5
- (C) 100.0
- (D) 75.0

Answer: B

Explanation: $35\% \text{ of } 250 = (35/100) \times 250 = 87.5$.

Q11. Find the simple interest on Rs. 1500 at 8% per annum for 4 years.

- (A) 480
- (B) 630
- (C) 330
- (D) 120

Answer: A

Explanation: $SI = PRT/100 = 1500 \times 8 \times 4/100 = \text{Rs. } 480$.

Q12. Find the average of 55, 29, 80, 67, 25.

- (A) 51.2
- (B) 64.0
- (C) 53.2
- (D) 49.2

Answer: A

Explanation: Average = sum / count = $256/5 = 51.2$.

Q13. An item costs Rs. 320. At a profit of 12%, what is the selling price?

- (A) 344
- (B) 332
- (C) 281.6
- (D) 358.4

Answer: D

Explanation: Selling price = $320 \times (1 + 12/100) = \text{Rs. } 358.4$.

Q14. Find the average of 72, 46, 14, 49, 16.

- (A) 41.4
- (B) 39.4
- (C) 37.4
- (D) 49.2

Answer: B

Explanation: Average = sum / count = $197/5 = 39.4$.

Q15. A vehicle travels at 54 km/h for 3.5 hours. What distance does it cover?

- (A) 189
- (B) 57.5
- (C) 216.0
- (D) 15.43

Answer: A

Explanation: Distance = speed $\times$ time = $54 \times 3.5 = 189$ km.

Q16. Two quantities are in the ratio 2:3. If their total is 60, what is the first quantity?

- (A) 12
- (B) 36
- (C) 60
- (D) 24

Answer: D

Explanation: Total parts = 5. One part = $60/5 = 12$; first quantity = $2 \times 12 = 24$.

Q17. A can finish a work in 18 days and B in 12 days. In how many days can they finish it together?

- (A) 6
- (B) 216.0
- (C) 7.2
- (D) 15.0

Answer: C

Explanation: Combined rate = $1/18 + 1/12 = (30)/216$; time = $216/30 = 7.2$ days.

Q18. Find the simple interest on Rs. 2000 at 6% per annum for 4 years.

- (A) 480
- (B) 120
- (C) 680
- (D) 280

Answer: A

Explanation: SI = $PRT/100 = 2000 \times 6 \times 4/100 = \text{Rs. } 480$.

Q19. What is 40% of 400?

- (A) 180.0
- (B) 160
- (C) 200.0
- (D) 140.0

Answer: B

Explanation: 40% of 400 = $(40/100) \times 400 = 160$.

Q20. Two quantities are in the ratio 3:4. If their total is 98, what is the first quantity?

- (A) 14
- (B) 42
- (C) 56
- (D) 98

Answer: B

Explanation: Total parts = 7. One part = $98/7 = 14$; first quantity = $3 \times 14 = 42$.

Q21. Find the average of 55, 71, 27, 11, 19.

- (A) 34.6
- (B) 38.6
- (C) 36.6
- (D) 45.8

Answer: C

Explanation: Average = sum / count = $183/5 = 36.6$.

Q22. An item costs Rs. 400. At a profit of 30%, what is the selling price?

- (A) 430
- (B) 520
- (C) 280.0
- (D) 460

Answer: B

Explanation: Selling price = $400 \times (1 + 30/100) = \text{Rs. } 520$.

Q23. Two quantities are in the ratio 5:7. If their total is 204, what is the first quantity?

- (A) 204
- (B) 85
- (C) 119
- (D) 34

Answer: B

Explanation: Total parts = 12. One part = $204/12 = 17$; first quantity = $5 \times 17 = 85$.

Q24. 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) 9.23
- (C) 19.5
- (D) 9

Answer: B

Explanation: Combined rate = $1/15 + 1/24 = (39)/360$; time = $360/39 = 9.23$ days.

Q25. Find the simple interest on Rs. 2500 at 12% per annum for 2 years.

- (A) 350
- (B) 300
- (C) 850
- (D) 600

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 12 \times 2}{100} = \text{Rs. } 600.$

Q26. What is 40% of 600?

- (A) 270.0
- (B) 300.0
- (C) 240
- (D) 210.0

Answer: C

Explanation: $40\% \text{ of } 600 = \frac{40}{100} \times 600 = 240.$

Q27. Find the average of 38, 52, 13, 17, 72.

- (A) 48.0
- (B) 36.4
- (C) 40.4
- (D) 38.4

Answer: D

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{192}{5} = 38.4.$

Q28. Find the average of 16, 28, 30, 11, 25.

- (A) 22
- (B) 27.5
- (C) 24
- (D) 20

Answer: A

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{110}{5} = 22.$

Q29. An item costs Rs. 250. At a profit of 20%, what is the selling price?

- (A) 200.0
- (B) 300
- (C) 290
- (D) 270

Answer: B

Explanation: $\text{Selling price} = 250 \times (1 + \frac{20}{100}) = \text{Rs. } 300.$

Q30. What is 50% of 240?

- (A) 120
- (B) 108.0
- (C) 132.0
- (D) 144.0

Answer: A

Explanation: $50\% \text{ of } 240 = \frac{50}{100} \times 240 = 120.$

Q31. 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.

Q32. A can finish a work in 20 days and B in 24 days. In how many days can they finish it together?

- (A) 10.91
- (B) 22.0
- (C) 120.0
- (D) 4

Answer: A

Explanation: Combined rate = $1/20 + 1/24 = (44)/480$; time = $480/44 = 10.91$ days.

Q33. What is 12.5% of 450?

- (A) 78.75
- (B) 56.25
- (C) 33.75
- (D) 101.25

Answer: B

Explanation: 12.5% of 450 = $(12.5/100) \times 450 = 56.25$.

Q34. Two quantities are in the ratio 4:5. If their total is 90, what is the first quantity?

- (A) 10
- (B) 90
- (C) 50
- (D) 40

Answer: D

Explanation: Total parts = 9. One part = $90/9 = 10$; first quantity = $4 \times 10 = 40$.

Q35. What is 12.5% of 120?

- (A) 9.0
- (B) 27.0
- (C) 21.0
- (D) 15

Answer: D

Explanation: 12.5% of 120 = $(12.5/100) \times 120 = 15$.

Q36. Find the average of 24, 54, 78, 53, 56.

- (A) 51
- (B) 66.2
- (C) 53
- (D) 55

Answer: C

Explanation: Average = sum / count = $265/5 = 53$.

Q37. Two quantities are in the ratio 7:9. If their total is 80, what is the first quantity?

- (A) 80
- (B) 35
- (C) 45
- (D) 10

Answer: B

Explanation: Total parts = 16. One part = $80/16 = 5$; first quantity = $7 \times 5 = 35$.

Q38. Find the simple interest on Rs. 3000 at 12% per annum for 4 years.

- (A) 1740
- (B) 360
- (C) 1140
- (D) 1440

Answer: D

Explanation: $SI = PRT/100 = 3000 \times 12 \times 4/100 = \text{Rs. } 1440$.

Q39. Find the simple interest on Rs. 3000 at 12% per annum for 2 years.

- (A) 720
- (B) 420
- (C) 360
- (D) 1020

Answer: A

Explanation: $SI = PRT/100 = 3000 \times 12 \times 2/100 = \text{Rs. } 720$.

Q40. Find the average of 11, 44, 63, 47, 53.

- (A) 41.6
- (B) 54.5
- (C) 43.6
- (D) 45.6

Answer: C

Explanation: Average = sum / count = $218/5 = 43.6$.

Q41. 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) 45.0
- (C) 12
- (D) 11.25

Answer: D

Explanation: Combined rate = $1/18 + 1/30 = (48)/540$; time = $540/48 = 11.25$ days.

Q42. What is 50% of 360?

- (A) 180
- (B) 198.0
- (C) 216.0
- (D) 162.0

Answer: A

Explanation: 50% of 360 = $(50/100) \times 360 = 180$.

Q43. What is 12.5% of 200?

- (A) 15.0
- (B) 45.0
- (C) 25
- (D) 35.0

Answer: C

Explanation: $12.5\% \text{ of } 200 = (12.5/100) \times 200 = 25.$

Q44. Find the average of 10, 15, 59, 76, 17.

- (A) 35.4
- (B) 44.2
- (C) 37.4
- (D) 33.4

Answer: A

Explanation: $\text{Average} = \text{sum} / \text{count} = 177/5 = 35.4.$

Q45. Find the average of 33, 21, 63, 62, 28.

- (A) 41.4
- (B) 43.4
- (C) 51.8
- (D) 39.4

Answer: A

Explanation: $\text{Average} = \text{sum} / \text{count} = 207/5 = 41.4.$

Q46. An item costs Rs. 320. At a profit of 20%, what is the selling price?

- (A) 384
- (B) 256.0
- (C) 360
- (D) 340

Answer: A

Explanation: $\text{Selling price} = 320 \times (1 + 20/100) = \text{Rs. } 384.$

Q47. Find the average of 32, 73, 71, 52, 46.

- (A) 68.5
- (B) 52.8
- (C) 54.8
- (D) 56.8

Answer: C

Explanation: $\text{Average} = \text{sum} / \text{count} = 274/5 = 54.8.$

Q48. A can finish a work in 10 days and B in 12 days. In how many days can they finish it together?

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

Answer: B

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

Q49. Find the simple interest on Rs. 2500 at 10% per annum for 3 years.

- (A) 1000
- (B) 750
- (C) 500
- (D) 250

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 10 \times 3}{100} = \text{Rs. } 750$.

Q50. Find the average of 16, 16, 80, 30, 66.

- (A) 39.6
- (B) 41.6
- (C) 43.6
- (D) 52.0

Answer: B

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{208}{5} = 41.6$.

Q51. Find the average of 23, 15, 55, 25, 16.

- (A) 28.8
- (B) 26.8
- (C) 24.8
- (D) 33.5

Answer: B

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{134}{5} = 26.8$.

Q52. Two quantities are in the ratio 3:5. If their total is 144, what is the first quantity?

- (A) 90
- (B) 36
- (C) 54
- (D) 144

Answer: C

Explanation: Total parts = 8. One part = $144/8 = 18$; first quantity = $3 \times 18 = 54$.

Q53. An item costs Rs. 250. At a profit of 20%, what is the selling price?

- (A) 290
- (B) 300
- (C) 200.0
- (D) 270

Answer: B

Explanation: $\text{Selling price} = 250 \times (1 + \frac{20}{100}) = \text{Rs. } 300$.

Q54. A can finish a work in 10 days and B in 15 days. In how many days can they finish it together?

- (A) 6.0
- (B) 12.5
- (C) 30.0
- (D) 5

Answer: A

Explanation: $\text{Combined rate} = \frac{1}{10} + \frac{1}{15} = \frac{(25)}{150}$; $\text{time} = \frac{150}{25} = 6.0$ days.

Q55. A vehicle travels at 40 km/h for 4 hours. What distance does it cover?

- (A) 160
- (B) 44
- (C) 180.0
- (D) 10.0

Answer: A

Explanation: Distance = speed x time = $40 \times 4 = 160$ km.

Q56. An item costs Rs. 600. At a profit of 10%, what is the selling price?

- (A) 610
- (B) 620
- (C) 540.0
- (D) 660

Answer: D

Explanation: Selling price = $600 \times (1 + 10/100) = \text{Rs. } 660$.

Q57. What is 12.5% of 120?

- (A) 9.0
- (B) 15
- (C) 21.0
- (D) 27.0

Answer: B

Explanation: $12.5\% \text{ of } 120 = (12.5/100) \times 120 = 15$.

Q58. What is 5% of 400?

- (A) 0
- (B) 40.0
- (C) 20
- (D) 60.0

Answer: C

Explanation: $5\% \text{ of } 400 = (5/100) \times 400 = 20$.

Q59. A vehicle travels at 45 km/h for 2.5 hours. What distance does it cover?

- (A) 47.5
- (B) 112.5
- (C) 135.0
- (D) 18.0

Answer: B

Explanation: Distance = speed x time = $45 \times 2.5 = 112.5$ km.

Q60. What is 60% of 360?

- (A) 252.0
- (B) 234.0
- (C) 198.0
- (D) 216

Answer: D

Explanation: $60\% \text{ of } 360 = (60/100) \times 360 = 216$.

Q61. An item costs Rs. 400. At a profit of 10%, what is the selling price?

- (A) 360.0
- (B) 410
- (C) 420
- (D) 440

Answer: D

Explanation: Selling price = $400 \times (1 + 10/100) = \text{Rs. } 440$.

Q62. Two quantities are in the ratio 4:5. If their total is 90, what is the first quantity?

- (A) 50
- (B) 10
- (C) 90
- (D) 40

Answer: D

Explanation: Total parts = 9. One part = $90/9 = 10$; first quantity = $4 \times 10 = 40$.

Q63. Find the average of 38, 23, 74, 65, 56.

- (A) 49.2
- (B) 51.2
- (C) 64.0
- (D) 53.2

Answer: B

Explanation: Average = sum / count = $256/5 = 51.2$.

Q64. Two quantities are in the ratio 3:5. If their total is 136, what is the first quantity?

- (A) 85
- (B) 34
- (C) 136
- (D) 51

Answer: D

Explanation: Total parts = 8. One part = $136/8 = 17$; first quantity = $3 \times 17 = 51$.

Q65. What is 25% of 480?

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

Answer: C

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

Q66. What is 5% of 400?

- (A) 40.0
- (B) 0
- (C) 60.0
- (D) 20

Answer: D

Explanation: 5% of 400 = $(5/100) \times 400 = 20$.

Q67. A can finish a work in 20 days and B in 12 days. In how many days can they finish it together?

- (A) 8
- (B) 7.5
- (C) 16.0
- (D) 240.0

Answer: B

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

Q68. Find the simple interest on Rs. 3000 at 10% per annum for 3 years.

- (A) 600
- (B) 900
- (C) 300
- (D) 1200

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 10 \times 3}{100} = \text{Rs. } 900$.

Q69. Two quantities are in the ratio 5:7. If their total is 48, what is the first quantity?

- (A) 48
- (B) 20
- (C) 28
- (D) 8

Answer: B

Explanation: Total parts = 12. One part = $\frac{48}{12} = 4$; first quantity = $5 \times 4 = 20$.

Q70. What is 10% of 600?

- (A) 60
- (B) 120.0
- (C) 30.0
- (D) 90.0

Answer: A

Explanation: 10% of 600 = $\frac{10}{100} \times 600 = 60$.

Q71. Two quantities are in the ratio 2:3. If their total is 70, what is the first quantity?

- (A) 14
- (B) 70
- (C) 28
- (D) 42

Answer: C

Explanation: Total parts = 5. One part = $\frac{70}{5} = 14$; first quantity = $2 \times 14 = 28$.

Q72. 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) 13.5
- (C) 60.0
- (D) 3

Answer: A

Explanation: Combined rate = $\frac{1}{12} + \frac{1}{15} = \frac{27}{180}$; time = $\frac{180}{27} = 6.67$ days.

Q73. Two quantities are in the ratio 2:3. If their total is 75, what is the first quantity?

- (A) 15
- (B) 45
- (C) 75
- (D) 30

Answer: D

Explanation: Total parts = 5. One part = $75/5 = 15$; first quantity = $2 \times 15 = 30$.

Q74. Find the simple interest on Rs. 4000 at 6% per annum for 2 years.

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

Answer: C

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

Q75. Find the average of 19, 46, 18, 59, 23.

- (A) 33
- (B) 35
- (C) 31
- (D) 41.2

Answer: A

Explanation: Average = sum / count = $165/5 = 33$.

Q76. 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) 5.54
- (C) 14.4
- (D) 10

Answer: B

Explanation: Combined rate = $1/8 + 1/18 = (26)/144$; time = $144/26 = 5.54$ days.

Q77. Two quantities are in the ratio 5:7. If their total is 144, what is the first quantity?

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

Answer: A

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

Q78. An item costs Rs. 240. At a profit of 15%, what is the selling price?

- (A) 204.0
- (B) 255
- (C) 276
- (D) 270

Answer: C

Explanation: Selling price = $240 \times (1 + 15/100) = \text{Rs. } 276$.

Q79. 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) 24
- (D) 7.5

Answer: A

Explanation: Combined rate = $1/6 + 1/30 = (36)/180$; time = $180/36 = 5.0$ days.

Q80. An item costs Rs. 500. At a profit of 12%, what is the selling price?

- (A) 524
- (B) 440.0
- (C) 560
- (D) 512

Answer: C

Explanation: Selling price = $500 \times (1 + 12/100) = \text{Rs. } 560$.

Q81. What is 40% of 400?

- (A) 200.0
- (B) 180.0
- (C) 160
- (D) 140.0

Answer: C

Explanation: 40% of 400 = $(40/100) \times 400 = 160$.

Q82. 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.

Q83. Two quantities are in the ratio 4:5. If their total is 126, what is the first quantity?

- (A) 126
- (B) 70
- (C) 56
- (D) 14

Answer: C

Explanation: Total parts = 9. One part = $126/9 = 14$; first quantity = $4 \times 14 = 56$.

Q84. Two quantities are in the ratio 5:7. If their total is 72, what is the first quantity?

- (A) 42
- (B) 30
- (C) 72
- (D) 12

Answer: B

Explanation: Total parts = 12. One part = $72/12 = 6$; first quantity = $5 \times 6 = 30$.

Q85. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

- (A) 135
- (B) 157.5
- (C) 15.0
- (D) 48

Answer: A

Explanation: Distance = speed x time = $45 \times 3 = 135$ km.

Q86. An item costs Rs. 300. At a profit of 30%, what is the selling price?

- (A) 210.0
- (B) 390
- (C) 360
- (D) 330

Answer: B

Explanation: Selling price = $300 \times (1 + 30/100) = \text{Rs. } 390$.

Q87. Two quantities are in the ratio 4:5. If their total is 45, what is the first quantity?

- (A) 20
- (B) 25
- (C) 5
- (D) 45

Answer: A

Explanation: Total parts = 9. One part = $45/9 = 5$; first quantity = $4 \times 5 = 20$.

Q88. A vehicle travels at 60 km/h for 2 hours. What distance does it cover?

- (A) 62
- (B) 150.0
- (C) 30.0
- (D) 120

Answer: D

Explanation: Distance = speed x time = $60 \times 2 = 120$ km.

Q89. Find the average of 22, 72, 18, 60, 71.

- (A) 48.6
- (B) 46.6
- (C) 60.8
- (D) 50.6

Answer: A

Explanation: Average = sum / count = $243/5 = 48.6$.

Q90. A can finish a work in 8 days and B in 20 days. In how many days can they finish it together?

- (A) 13.33
- (B) 5.71
- (C) 14.0
- (D) 12

Answer: B

Explanation: Combined rate = $1/8 + 1/20 = (28)/160$; time = $160/28 = 5.71$ days.

Q91. What is 20% of 250?

- (A) 37.5
- (B) 62.5
- (C) 75.0
- (D) 50

Answer: D

Explanation: $20\% \text{ of } 250 = (20/100) \times 250 = 50.$

Q92. Find the average of 55, 32, 22, 68, 62.

- (A) 59.8
- (B) 49.8
- (C) 45.8
- (D) 47.8

Answer: D

Explanation: $\text{Average} = \text{sum} / \text{count} = 239/5 = 47.8.$

Q93. What is 35% of 400?

- (A) 180.0
- (B) 120.0
- (C) 160.0
- (D) 140

Answer: D

Explanation: $35\% \text{ of } 400 = (35/100) \times 400 = 140.$

Q94. An item costs Rs. 300. At a profit of 20%, what is the selling price?

- (A) 360
- (B) 320
- (C) 240.0
- (D) 340

Answer: A

Explanation: $\text{Selling price} = 300 \times (1 + 20/100) = \text{Rs. } 360.$

Q95. What is 40% of 800?

- (A) 280.0
- (B) 320
- (C) 400.0
- (D) 360.0

Answer: B

Explanation: $40\% \text{ of } 800 = (40/100) \times 800 = 320.$

Q96. An item costs Rs. 800. At a profit of 12%, what is the selling price?

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

Answer: D

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

Q97. An item costs Rs. 250. At a profit of 30%, what is the selling price?

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

Answer: A

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

Q98. What is 5% of 500?

- (A) 75.0
- (B) 50.0
- (C) 25
- (D) 0

Answer: C

Explanation: 5% of 500 = $(5/100) \times 500 = 25$.

Q99. A can finish a work in 20 days and B in 24 days. In how many days can they finish it together?

- (A) 10.91
- (B) 4
- (C) 120.0
- (D) 22.0

Answer: A

Explanation: Combined rate = $1/20 + 1/24 = (44)/480$; time = $480/44 = 10.91$ days.

Q100. 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 $\times$ time = $50 \times 2.5 = 125$ km.

Q101. Two quantities are in the ratio 7:9. If their total is 256, what is the first quantity?

- (A) 144
- (B) 256
- (C) 112
- (D) 32

Answer: C

Explanation: Total parts = 16. One part = $256/16 = 16$; first quantity = $7 \times 16 = 112$.

Q102. 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.

Q103. An item costs Rs. 250. At a profit of 12%, what is the selling price?

- (A) 274
- (B) 280
- (C) 262
- (D) 220.0

Answer: B

Explanation: Selling price = $250 \times (1 + 12/100) = \text{Rs. } 280$.

Q104. Find the average of 79, 26, 41, 10, 30.

- (A) 46.5
- (B) 37.2
- (C) 39.2
- (D) 35.2

Answer: B

Explanation: Average = sum / count = $186/5 = 37.2$.

Q105. 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.

Q106. Find the simple interest on Rs. 2000 at 10% per annum for 2 years.

- (A) 600
- (B) 200
- (C) 684
- (D) 400

Answer: D

Explanation: SI = $PRT/100 = 2000 \times 10 \times 2/100 = \text{Rs. } 400$.

Q107. A can finish a work in 10 days and B in 18 days. In how many days can they finish it together?

- (A) 8
- (B) 14.0
- (C) 22.5
- (D) 6.43

Answer: D

Explanation: Combined rate = $1/10 + 1/18 = (28)/180$; time = $180/28 = 6.43$ days.

Q108. Two quantities are in the ratio 3:4. If their total is 119, what is the first quantity?

- (A) 119
- (B) 68
- (C) 17
- (D) 51

Answer: D

Explanation: Total parts = 7. One part = $119/7 = 17$; first quantity = $3 \times 17 = 51$.

Q109. A vehicle travels at 40 km/h for 4 hours. What distance does it cover?

- (A) 10.0
- (B) 180.0
- (C) 160
- (D) 44

Answer: C

Explanation: Distance = speed x time = $40 \times 4 = 160$ km.

Q110. An item costs Rs. 300. At a profit of 10%, what is the selling price?

- (A) 270.0
- (B) 330
- (C) 320
- (D) 310

Answer: B

Explanation: Selling price = $300 \times (1 + 10/100) = \text{Rs. } 330$.

Q111. A vehicle travels at 30 km/h for 3 hours. What distance does it cover?

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

Answer: D

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

Q112. Find the simple interest on Rs. 1500 at 6% per annum for 3 years.

- (A) 270
- (B) 420
- (C) 90
- (D) 120

Answer: A

Explanation: $SI = \frac{PRT}{100} = 1500 \times 6 \times 3/100 = \text{Rs. } 270$.

Q113. An item costs Rs. 300. At a profit of 25%, what is the selling price?

- (A) 325
- (B) 375
- (C) 350
- (D) 225.0

Answer: B

Explanation: Selling price = $300 \times (1 + 25/100) = \text{Rs. } 375$.

Q114. A vehicle travels at 30 km/h for 4 hours. What distance does it cover?

- (A) 34
- (B) 135.0
- (C) 7.5
- (D) 120

Answer: D

Explanation: Distance = speed x time = $30 \times 4 = 120$ km.

Q115. Find the average of 71, 35, 36, 34, 49.

- (A) 45
- (B) 56.2
- (C) 43
- (D) 47

Answer: A

Explanation: Average = sum / count = $225/5 = 45$.

Q116. An item costs Rs. 600. At a profit of 20%, what is the selling price?

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

Answer: B

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

Q117. Find the average of 73, 44, 25, 16, 63.

- (A) 44.2
- (B) 42.2
- (C) 46.2
- (D) 55.2

Answer: A

Explanation: Average = sum / count = $221/5 = 44.2$.

Q118. Find the average of 64, 33, 69, 57, 14.

- (A) 49.4
- (B) 45.4
- (C) 59.2
- (D) 47.4

Answer: D

Explanation: Average = sum / count = $237/5 = 47.4$.

Q119. Two quantities are in the ratio 3:4. If their total is 98, what is the first quantity?

- (A) 14
- (B) 42
- (C) 98
- (D) 56

Answer: B

Explanation: Total parts = 7. One part = $98/7 = 14$; first quantity = $3 \times 14 = 42$.

Q120. Find the average of 50, 44, 29, 11, 13.

- (A) 27.4
- (B) 31.4
- (C) 29.4
- (D) 36.8

Answer: C

Explanation: Average = sum / count = $147/5 = 29.4$.

Q121. A vehicle travels at 36 km/h for 3 hours. What distance does it cover?

- (A) 12.0
- (B) 126.0
- (C) 39
- (D) 108

Answer: D

Explanation: Distance = speed x time = $36 \times 3 = 108$ km.

Q122. Find the simple interest on Rs. 1000 at 6% per annum for 4 years.

- (A) 140
- (B) 340
- (C) 60
- (D) 240

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 6 \times 4}{100} = \text{Rs. } 240$.

Q123. A vehicle travels at 60 km/h for 4 hours. What distance does it cover?

- (A) 240
- (B) 270.0
- (C) 64
- (D) 15.0

Answer: A

Explanation: Distance = speed x time = $60 \times 4 = 240$ km.

Q124. Find the simple interest on Rs. 2500 at 5% per annum for 4 years.

- (A) 750
- (B) 500
- (C) 250
- (D) 125

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 5 \times 4}{100} = \text{Rs. } 500$.

Q125. Two quantities are in the ratio 4:5. If their total is 144, what is the first quantity?

- (A) 80
- (B) 64
- (C) 144
- (D) 16

Answer: B

Explanation: Total parts = 9. One part = $144/9 = 16$; first quantity = $4 \times 16 = 64$.

Q126. Find the average of 56, 56, 64, 58, 28.

- (A) 54.4
- (B) 50.4
- (C) 52.4
- (D) 65.5

Answer: C

Explanation: Average = sum / count = $262/5 = 52.4$.

Q127. A vehicle travels at 36 km/h for 2 hours. What distance does it cover?

- (A) 18.0
- (B) 38
- (C) 72
- (D) 90.0

Answer: C

Explanation: Distance = speed x time = $36 \times 2 = 72$ km.

Q128. Find the simple interest on Rs. 4000 at 12% per annum for 2 years.

- (A) 480
- (B) 1360
- (C) 560
- (D) 960

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{4000 \times 12 \times 2}{100} = \text{Rs. } 960$.

Q129. What is 60% of 450?

- (A) 315.0
- (B) 270
- (C) 247.5
- (D) 292.5

Answer: B

Explanation: 60% of 450 = $\frac{60}{100} \times 450 = 270$.

Q130. Find the simple interest on Rs. 5000 at 12% per annum for 4 years.

- (A) 2900
- (B) 1900
- (C) 600
- (D) 2400

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{5000 \times 12 \times 4}{100} = \text{Rs. } 2400$.

Q131. 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.

Q132. Find the average of 54, 26, 73, 62, 70.

- (A) 59
- (B) 55
- (C) 71.2
- (D) 57

Answer: D

Explanation: Average = sum / count = $\frac{285}{5} = 57$.

Q133. Find the average of 76, 74, 63, 12, 37.

- (A) 54.4
- (B) 50.4
- (C) 52.4
- (D) 65.5

Answer: C

Explanation: Average = sum / count = $262/5 = 52.4$.

Q134. A can finish a work in 18 days and B in 12 days. In how many days can they finish it together?

- (A) 6
- (B) 7.2
- (C) 15.0
- (D) 216.0

Answer: B

Explanation: Combined rate = $1/18 + 1/12 = (30)/216$; time = $216/30 = 7.2$ days.

Q135. Find the average of 21, 64, 64, 73, 33.

- (A) 51
- (B) 63.8
- (C) 53
- (D) 49

Answer: A

Explanation: Average = sum / count = $255/5 = 51$.

Q136. Two quantities are in the ratio 3:5. If their total is 104, what is the first quantity?

- (A) 104
- (B) 65
- (C) 39
- (D) 26

Answer: C

Explanation: Total parts = 8. One part = $104/8 = 13$; first quantity = $3 \times 13 = 39$.

Q137. What is 15% of 250?

- (A) 37.5
- (B) 25.0
- (C) 50.0
- (D) 62.5

Answer: A

Explanation: 15% of 250 = $(15/100) \times 250 = 37.5$.

Q138. An item costs Rs. 200. At a profit of 25%, what is the selling price?

- (A) 250
- (B) 150.0
- (C) 786
- (D) 225

Answer: A

Explanation: Selling price = $200 \times (1 + 25/100) = \text{Rs. } 250$.

Q139. An item costs Rs. 240. At a profit of 10%, what is the selling price?

- (A) 260
- (B) 264
- (C) 216.0
- (D) 250

Answer: B

Explanation: Selling price = $240 \times (1 + 10/100) = \text{Rs. } 264$.

Q140. Two quantities are in the ratio 7:9. If their total is 208, what is the first quantity?

- (A) 26
- (B) 208
- (C) 117
- (D) 91

Answer: D

Explanation: Total parts = 16. One part = $208/16 = 13$; first quantity = $7 \times 13 = 91$.

Q141. A vehicle travels at 45 km/h for 2.5 hours. What distance does it cover?

- (A) 18.0
- (B) 112.5
- (C) 135.0
- (D) 47.5

Answer: B

Explanation: Distance = speed $\times$ time = $45 \times 2.5 = 112.5$ km.

Q142. A can finish a work in 8 days and B in 12 days. In how many days can they finish it together?

- (A) 24.0
- (B) 10.0
- (C) 4
- (D) 4.8

Answer: D

Explanation: Combined rate = $1/8 + 1/12 = (20)/96$; time = $96/20 = 4.8$ days.

Q143. An item costs Rs. 750. At a profit of 25%, what is the selling price?

- (A) 800
- (B) 775
- (C) 937.5
- (D) 562.5

Answer: C

Explanation: Selling price = $750 \times (1 + 25/100) = \text{Rs. } 937.5$.

Q144. A vehicle travels at 45 km/h for 2 hours. What distance does it cover?

- (A) 112.5
- (B) 22.5
- (C) 90
- (D) 47

Answer: C

Explanation: Distance = speed $\times$ time = $45 \times 2 = 90$ km.

Q145. An item costs Rs. 800. At a profit of 30%, what is the selling price?

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

Answer: D

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

Q146. What is 30% of 300?

- (A) 90
- (B) 75.0
- (C) 120.0
- (D) 105.0

Answer: A

Explanation: $30\% \text{ of } 300 = (30/100) \times 300 = 90$.

Q147. An item costs Rs. 250. At a profit of 20%, what is the selling price?

- (A) 290
- (B) 300
- (C) 270
- (D) 200.0

Answer: B

Explanation: Selling price = $250 \times (1 + 20/100) = \text{Rs. } 300$.

Q148. An item costs Rs. 200. At a profit of 25%, what is the selling price?

- (A) 150.0
- (B) 225
- (C) 250
- (D) 831

Answer: C

Explanation: Selling price = $200 \times (1 + 25/100) = \text{Rs. } 250$.

Q149. Two quantities are in the ratio 4:5. If their total is 99, what is the first quantity?

- (A) 99
- (B) 55
- (C) 44
- (D) 11

Answer: C

Explanation: Total parts = 9. One part = $99/9 = 11$; first quantity = $4 \times 11 = 44$.

Q150. Find the simple interest on Rs. 1200 at 6% per annum for 2 years.

- (A) 264
- (B) 72
- (C) 24
- (D) 144

Answer: D

Explanation: $SI = PRT/100 = 1200 \times 6 \times 2/100 = \text{Rs. } 144$.

Q151. A can finish a work in 6 days and B in 30 days. In how many days can they finish it together?

- (A) 18.0
- (B) 5.0
- (C) 7.5
- (D) 24

Answer: B

Explanation: Combined rate = $\frac{1}{6} + \frac{1}{30} = \frac{36}{180}$; time = $\frac{180}{36} = 5.0$ days.

Q152. What is 10% of 240?

- (A) 36.0
- (B) 24
- (C) 12.0
- (D) 48.0

Answer: B

Explanation: 10% of 240 = $(\frac{10}{100}) \times 240 = 24$.

Q153. Find the average of 56, 37, 62, 39, 15.

- (A) 39.8
- (B) 52.2
- (C) 43.8
- (D) 41.8

Answer: D

Explanation: Average = sum / count = $\frac{209}{5} = 41.8$.

Q154. Find the simple interest on Rs. 2000 at 6% per annum for 4 years.

- (A) 480
- (B) 680
- (C) 280
- (D) 120

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{2000 \times 6 \times 4}{100} = \text{Rs. } 480$.

Q155. A can finish a work in 12 days and B in 12 days. In how many days can they finish it together?

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

Answer: C

Explanation: Combined rate = $\frac{1}{12} + \frac{1}{12} = \frac{24}{144}$; time = $\frac{144}{24} = 6.0$ days.

Q156. Find the simple interest on Rs. 1000 at 6% per annum for 4 years.

- (A) 240
- (B) 60
- (C) 340
- (D) 140

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 6 \times 4}{100} = \text{Rs. } 240$.

Q157. Find the simple interest on Rs. 2000 at 10% per annum for 4 years.

- (A) 800
- (B) 200
- (C) 600
- (D) 1000

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{2000 \times 10 \times 4}{100} = \text{Rs. } 800$.

Q158. A vehicle travels at 72 km/h for 2 hours. What distance does it cover?

- (A) 180.0
- (B) 144
- (C) 74
- (D) 36.0

Answer: B

Explanation: Distance = speed $\times$ time = $72 \times 2 = 144$ km.

Q159. What is 40% of 240?

- (A) 84.0
- (B) 96
- (C) 108.0
- (D) 120.0

Answer: B

Explanation: 40% of 240 = $\frac{40}{100} \times 240 = 96$.

Q160. A can finish a work in 8 days and B in 15 days. In how many days can they finish it together?

- (A) 11.5
- (B) 5.22
- (C) 17.14
- (D) 7

Answer: B

Explanation: Combined rate = $\frac{1}{8} + \frac{1}{15} = \frac{23}{120}$; time = $\frac{120}{23} = 5.22$ days.

Q161. An item costs Rs. 400. At a profit of 12%, what is the selling price?

- (A) 448
- (B) 424
- (C) 352.0
- (D) 412

Answer: A

Explanation: Selling price = $400 \times (1 + \frac{12}{100}) = \text{Rs. } 448$.

Q162. An item costs Rs. 750. At a profit of 25%, what is the selling price?

- (A) 937.5
- (B) 562.5
- (C) 800
- (D) 775

Answer: A

Explanation: Selling price = $750 \times (1 + \frac{25}{100}) = \text{Rs. } 937.5$.

Q163. Two quantities are in the ratio 7:9. If their total is 176, what is the first quantity?

- (A) 77
- (B) 99
- (C) 176
- (D) 22

Answer: A

Explanation: Total parts = 16. One part = $176/16 = 11$; first quantity = $7 \times 11 = 77$.

Q164. Find the average of 44, 30, 19, 44, 57.

- (A) 38.8
- (B) 48.5
- (C) 36.8
- (D) 40.8

Answer: A

Explanation: Average = sum / count = $194/5 = 38.8$.

Q165. What is 12.5% of 180?

- (A) 22.5
- (B) 40.5
- (C) 13.5
- (D) 31.5

Answer: A

Explanation: 12.5% of 180 = $(12.5/100) \times 180 = 22.5$.

Q166. Find the simple interest on Rs. 5000 at 12% per annum for 4 years.

- (A) 2400
- (B) 2900
- (C) 600
- (D) 1900

Answer: A

Explanation: $SI = \frac{PRT}{100} = 5000 \times 12 \times 4/100 = \text{Rs. } 2400$.

Q167. What is 75% of 120?

- (A) 84.0
- (B) 96.0
- (C) 90
- (D) 102.0

Answer: C

Explanation: 75% of 120 = $(75/100) \times 120 = 90$.

Q168. A can finish a work in 6 days and B in 30 days. In how many days can they finish it together?

- (A) 24
- (B) 5.0
- (C) 7.5
- (D) 18.0

Answer: B

Explanation: Combined rate = $1/6 + 1/30 = (36)/180$; time = $180/36 = 5.0$ days.

Q169. A vehicle travels at 40 km/h for 4 hours. What distance does it cover?

- (A) 44
- (B) 160
- (C) 180.0
- (D) 10.0

Answer: B

Explanation: Distance = speed x time = $40 \times 4 = 160$ km.

Q170. What is 15% of 320?

- (A) 64.0
- (B) 80.0
- (C) 48
- (D) 32.0

Answer: C

Explanation: 15% of 320 = $(15/100) \times 320 = 48$.

Q171. An item costs Rs. 500. At a profit of 10%, what is the selling price?

- (A) 450.0
- (B) 520
- (C) 550
- (D) 510

Answer: C

Explanation: Selling price = $500 \times (1 + 10/100) = \text{Rs. } 550$.

Q172. An item costs Rs. 400. At a profit of 12%, what is the selling price?

- (A) 424
- (B) 352.0
- (C) 412
- (D) 448

Answer: D

Explanation: Selling price = $400 \times (1 + 12/100) = \text{Rs. } 448$.

Q173. Two quantities are in the ratio 3:4. If their total is 56, what is the first quantity?

- (A) 32
- (B) 8
- (C) 56
- (D) 24

Answer: D

Explanation: Total parts = 7. One part = $56/7 = 8$; first quantity = $3 \times 8 = 24$.

Q174. Two quantities are in the ratio 7:9. If their total is 80, what is the first quantity?

- (A) 80
- (B) 35
- (C) 10
- (D) 45

Answer: B

Explanation: Total parts = 16. One part = $80/16 = 5$; first quantity = $7 \times 5 = 35$.

Q175. Find the simple interest on Rs. 1200 at 10% per annum for 2 years.

- (A) 360
- (B) 240
- (C) 120
- (D) 958

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{1200 \times 10 \times 2}{100} = \text{Rs. } 240.$

Q176. Find the average of 41, 32, 68, 58, 33.

- (A) 46.4
- (B) 58.0
- (C) 44.4
- (D) 48.4

Answer: A

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{232}{5} = 46.4.$

Q177. An item costs Rs. 250. At a profit of 20%, what is the selling price?

- (A) 300
- (B) 270
- (C) 200.0
- (D) 290

Answer: A

Explanation: $\text{Selling price} = 250 \times (1 + \frac{20}{100}) = \text{Rs. } 300.$

Q178. What is 35% of 250?

- (A) 75.0
- (B) 112.5
- (C) 87.5
- (D) 100.0

Answer: C

Explanation: $35\% \text{ of } 250 = (\frac{35}{100}) \times 250 = 87.5.$

Q179. Find the simple interest on Rs. 4000 at 5% per annum for 3 years.

- (A) 600
- (B) 928
- (C) 1000
- (D) 200

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{4000 \times 5 \times 3}{100} = \text{Rs. } 600.$

Q180. A can finish a work in 12 days and B in 20 days. In how many days can they finish it together?

- (A) 16.0
- (B) 30.0
- (C) 7.5
- (D) 8

Answer: C

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

Q181. A vehicle travels at 30 km/h for 4 hours. What distance does it cover?

- (A) 34
- (B) 7.5
- (C) 135.0
- (D) 120

Answer: D

Explanation: Distance = speed x time = $30 \times 4 = 120$ km.

Q182. What is 75% of 300?

- (A) 225
- (B) 255.0
- (C) 210.0
- (D) 240.0

Answer: A

Explanation: 75% of 300 = $(75/100) \times 300 = 225$.

Q183. A vehicle travels at 60 km/h for 3.5 hours. What distance does it cover?

- (A) 17.14
- (B) 63.5
- (C) 240.0
- (D) 210

Answer: D

Explanation: Distance = speed x time = $60 \times 3.5 = 210$ km.

Q184. Two quantities are in the ratio 3:5. If their total is 112, what is the first quantity?

- (A) 70
- (B) 28
- (C) 42
- (D) 112

Answer: C

Explanation: Total parts = 8. One part = $112/8 = 14$; first quantity = $3 \times 14 = 42$.

Q185. Two quantities are in the ratio 5:7. If their total is 156, what is the first quantity?

- (A) 65
- (B) 91
- (C) 26
- (D) 156

Answer: A

Explanation: Total parts = 12. One part = $156/12 = 13$; first quantity = $5 \times 13 = 65$.

Q186. A vehicle travels at 30 km/h for 3 hours. What distance does it cover?

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

Answer: B

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

Q187. Two quantities are in the ratio 5:7. If their total is 84, what is the first quantity?

- (A) 35
- (B) 84
- (C) 49
- (D) 14

Answer: A

Explanation: Total parts = 12. One part = $84/12 = 7$; first quantity = $5 \times 7 = 35$.

Q188. An item costs Rs. 200. At a profit of 30%, what is the selling price?

- (A) 140.0
- (B) 230
- (C) 604
- (D) 260

Answer: D

Explanation: Selling price = $200 \times (1 + 30/100) = \text{Rs. } 260$.

Q189. An item costs Rs. 800. At a profit of 25%, what is the selling price?

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

Answer: D

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

Q190. Find the average of 11, 27, 35, 59, 64.

- (A) 49.0
- (B) 41.2
- (C) 37.2
- (D) 39.2

Answer: D

Explanation: Average = sum / count = $196/5 = 39.2$.

Q191. Find the simple interest on Rs. 2000 at 5% per annum for 3 years.

- (A) 433
- (B) 300
- (C) 500
- (D) 100

Answer: B

Explanation: $SI = PRT/100 = 2000 \times 5 \times 3/100 = \text{Rs. } 300$.

Q192. An item costs Rs. 200. At a profit of 12%, what is the selling price?

- (A) 176.0
- (B) 212
- (C) 868
- (D) 224

Answer: D

Explanation: Selling price = $200 \times (1 + 12/100) = \text{Rs. } 224$.

Q193. Find the average of 13, 29, 67, 27, 29.

- (A) 41.2
- (B) 31
- (C) 33
- (D) 35

Answer: C

Explanation: Average = sum / count = $165/5 = 33$.

Q194. What is 40% of 240?

- (A) 84.0
- (B) 108.0
- (C) 120.0
- (D) 96

Answer: D

Explanation: 40% of 240 = $(40/100) \times 240 = 96$.

Q195. What is 25% of 600?

- (A) 120.0
- (B) 210.0
- (C) 150
- (D) 180.0

Answer: C

Explanation: 25% of 600 = $(25/100) \times 600 = 150$.

Q196. Two quantities are in the ratio 4:5. If their total is 81, what is the first quantity?

- (A) 81
- (B) 36
- (C) 9
- (D) 45

Answer: B

Explanation: Total parts = 9. One part = $81/9 = 9$; first quantity = $4 \times 9 = 36$.

Q197. 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) 3
- (C) 6.67
- (D) 180.0

Answer: C

Explanation: Combined rate = $1/15 + 1/12 = (27)/180$; time = $180/27 = 6.67$ days.

Q198. Two quantities are in the ratio 7:9. If their total is 96, what is the first quantity?

- (A) 96
- (B) 12
- (C) 42
- (D) 54

Answer: C

Explanation: Total parts = 16. One part = $96/16 = 6$; first quantity = $7 \times 6 = 42$.

Q199. What is 40% of 250?

- (A) 112.5
- (B) 100
- (C) 87.5
- (D) 125.0

Answer: B

Explanation: $40\% \text{ of } 250 = (40/100) \times 250 = 100$.

Q200. Two quantities are in the ratio 3:5. If their total is 88, what is the first quantity?

- (A) 55
- (B) 33
- (C) 88
- (D) 22

Answer: B

Explanation: Total parts = 8. One part = $88/8 = 11$; first quantity = $3 \times 11 = 33$.

Q201. A vehicle travels at 50 km/h for 2.5 hours. What distance does it cover?

- (A) 20.0
- (B) 52.5
- (C) 125
- (D) 150.0

Answer: C

Explanation: Distance = speed $\times$ time = $50 \times 2.5 = 125$ km.

Q202. 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 = $1/20 + 1/20 = (40)/400$; time = $400/40 = 10.0$ days.

Q203. What is 25% of 800?

- (A) 160.0
- (B) 280.0
- (C) 200
- (D) 240.0

Answer: C

Explanation: $25\% \text{ of } 800 = (25/100) \times 800 = 200$.

Q204. Find the average of 25, 66, 45, 71, 30.

- (A) 47.4
- (B) 45.4
- (C) 49.4
- (D) 59.2

Answer: A

Explanation: Average = sum / count = $237/5 = 47.4$.

Q205. A vehicle travels at 54 km/h for 4 hours. What distance does it cover?

- (A) 13.5
- (B) 243.0
- (C) 216
- (D) 58

Answer: C

Explanation: Distance = speed x time = $54 \times 4 = 216$ km.

Q206. Two quantities are in the ratio 7:9. If their total is 128, what is the first quantity?

- (A) 56
- (B) 128
- (C) 72
- (D) 16

Answer: A

Explanation: Total parts = 16. One part = $128/16 = 8$; first quantity = $7 \times 8 = 56$.

Q207. A can finish a work in 8 days and B in 24 days. In how many days can they finish it together?

- (A) 16
- (B) 12.0
- (C) 16.0
- (D) 6.0

Answer: D

Explanation: Combined rate = $1/8 + 1/24 = (32)/192$; time = $192/32 = 6.0$ days.

Q208. Find the average of 16, 45, 63, 18, 14.

- (A) 39.0
- (B) 29.2
- (C) 33.2
- (D) 31.2

Answer: D

Explanation: Average = sum / count = $156/5 = 31.2$.

Q209. Find the average of 57, 21, 66, 40, 15.

- (A) 49.8
- (B) 41.8
- (C) 37.8
- (D) 39.8

Answer: D

Explanation: Average = sum / count = $199/5 = 39.8$.

Q210. What is 60% of 180?

- (A) 99.0
- (B) 108
- (C) 126.0
- (D) 117.0

Answer: B

Explanation: 60% of 180 = $(60/100) \times 180 = 108$.

Q211. Find the average of 14, 23, 19, 69, 34.

- (A) 39.8
- (B) 31.8
- (C) 33.8
- (D) 29.8

Answer: B

Explanation: Average = sum / count = $159/5 = 31.8$.

Q212. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 189.0
- (B) 57
- (C) 18.0
- (D) 162

Answer: D

Explanation: Distance = speed x time = $54 \times 3 = 162$ km.

Q213. Two quantities are in the ratio 7:9. If their total is 64, what is the first quantity?

- (A) 28
- (B) 8
- (C) 36
- (D) 64

Answer: A

Explanation: Total parts = 16. One part = $64/16 = 4$; first quantity = $7 \times 4 = 28$.

Q214. Two quantities are in the ratio 2:3. If their total is 85, what is the first quantity?

- (A) 17
- (B) 85
- (C) 51
- (D) 34

Answer: D

Explanation: Total parts = 5. One part = $85/5 = 17$; first quantity = $2 \times 17 = 34$.

Q215. 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) 13.0
- (C) 10
- (D) 5.54

Answer: D

Explanation: Combined rate = $1/8 + 1/18 = (26)/144$; time = $144/26 = 5.54$ days.

Q216. An item costs Rs. 500. At a profit of 25%, what is the selling price?

- (A) 625
- (B) 550
- (C) 375.0
- (D) 525

Answer: A

Explanation: Selling price = $500 \times (1 + 25/100) = \text{Rs. } 625$.

Q217. An item costs Rs. 320. At a profit of 20%, what is the selling price?

- (A) 340
- (B) 384
- (C) 360
- (D) 256.0

Answer: B

Explanation: Selling price = $320 \times (1 + 20/100) = \text{Rs. } 384$.

Q218. Two quantities are in the ratio 3:4. If their total is 112, what is the first quantity?

- (A) 16
- (B) 48
- (C) 112
- (D) 64

Answer: B

Explanation: Total parts = 7. One part = $112/7 = 16$; first quantity = $3 \times 16 = 48$.

Q219. An item costs Rs. 400. At a profit of 20%, what is the selling price?

- (A) 320.0
- (B) 480
- (C) 440
- (D) 420

Answer: B

Explanation: Selling price = $400 \times (1 + 20/100) = \text{Rs. } 480$.

Q220. Two quantities are in the ratio 4:5. If their total is 126, what is the first quantity?

- (A) 14
- (B) 56
- (C) 126
- (D) 70

Answer: B

Explanation: Total parts = 9. One part = $126/9 = 14$; first quantity = $4 \times 14 = 56$.

Q221. Find the average of 53, 76, 13, 51, 54.

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

Answer: D

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

Q222. An item costs Rs. 750. At a profit of 20%, what is the selling price?

- (A) 770
- (B) 900
- (C) 600.0
- (D) 790

Answer: B

Explanation: Selling price = $750 \times (1 + 20/100) = \text{Rs. } 900$.

Q223. An item costs Rs. 600. At a profit of 12%, what is the selling price?

- (A) 612
- (B) 624
- (C) 672
- (D) 528.0

Answer: C

Explanation: Selling price = $600 \times (1 + 12/100) = \text{Rs. } 672$.

Q224. Find the average of 22, 28, 55, 66, 58.

- (A) 45.8
- (B) 47.8
- (C) 43.8
- (D) 57.2

Answer: A

Explanation: Average = sum / count = $229/5 = 45.8$.

Q225. An item costs Rs. 600. At a profit of 10%, what is the selling price?

- (A) 620
- (B) 660
- (C) 540.0
- (D) 610

Answer: B

Explanation: Selling price = $600 \times (1 + 10/100) = \text{Rs. } 660$.

Q226. What is 40% of 250?

- (A) 112.5
- (B) 125.0
- (C) 100
- (D) 87.5

Answer: C

Explanation: 40% of 250 = $(40/100) \times 250 = 100$.

Q227. What is 10% of 200?

- (A) 40.0
- (B) 10.0
- (C) 20
- (D) 30.0

Answer: C

Explanation: 10% of 200 = $(10/100) \times 200 = 20$.

Q228. A vehicle travels at 60 km/h for 2 hours. What distance does it cover?

- (A) 150.0
- (B) 120
- (C) 30.0
- (D) 62

Answer: B

Explanation: Distance = speed x time = $60 \times 2 = 120 \text{ km}$.

Q229. Two quantities are in the ratio 3:4. If their total is 63, what is the first quantity?

- (A) 9
- (B) 63
- (C) 36
- (D) 27

Answer: D

Explanation: Total parts = 7. One part = $63/7 = 9$; first quantity = $3 \times 9 = 27$.

Q230. An item costs Rs. 300. At a profit of 15%, what is the selling price?

- (A) 345
- (B) 315
- (C) 255.0
- (D) 330

Answer: A

Explanation: Selling price = $300 \times (1 + 15/100) = \text{Rs. } 345$.

Q231. Two quantities are in the ratio 3:5. If their total is 112, what is the first quantity?

- (A) 28
- (B) 70
- (C) 112
- (D) 42

Answer: D

Explanation: Total parts = 8. One part = $112/8 = 14$; first quantity = $3 \times 14 = 42$.

Q232. What is 35% of 500?

- (A) 200.0
- (B) 225.0
- (C) 175
- (D) 150.0

Answer: C

Explanation: 35% of 500 = $(35/100) \times 500 = 175$.

Q233. What is 30% of 400?

- (A) 140.0
- (B) 100.0
- (C) 120
- (D) 160.0

Answer: C

Explanation: 30% of 400 = $(30/100) \times 400 = 120$.

Q234. What is 15% of 360?

- (A) 36.0
- (B) 90.0
- (C) 72.0
- (D) 54

Answer: D

Explanation: 15% of 360 = $(15/100) \times 360 = 54$.

Q235. Find the simple interest on Rs. 1000 at 8% per annum for 3 years.

- (A) 140
- (B) 240
- (C) 80
- (D) 340

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 8 \times 3}{100} = \text{Rs. } 240.$

Q236. A vehicle travels at 36 km/h for 3 hours. What distance does it cover?

- (A) 12.0
- (B) 126.0
- (C) 39
- (D) 108

Answer: D

Explanation: Distance = speed $\times$ time = $36 \times 3 = 108$ km.

Q237. An item costs Rs. 750. At a profit of 30%, what is the selling price?

- (A) 780
- (B) 975
- (C) 810
- (D) 525.0

Answer: B

Explanation: Selling price = $750 \times (1 + \frac{30}{100}) = \text{Rs. } 975.$

Q238. Find the average of 44, 60, 68, 78, 43.

- (A) 73.2
- (B) 60.6
- (C) 56.6
- (D) 58.6

Answer: D

Explanation: Average = sum / count = $\frac{293}{5} = 58.6.$

Q239. Two quantities are in the ratio 5:7. If their total is 180, what is the first quantity?

- (A) 75
- (B) 30
- (C) 180
- (D) 105

Answer: A

Explanation: Total parts = 12. One part = $\frac{180}{12} = 15$; first quantity = $5 \times 15 = 75.$

Q240. What is 15% of 160?

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

Answer: D

Explanation: 15% of 160 = $(\frac{15}{100}) \times 160 = 24.$

Q241. Find the simple interest on Rs. 2000 at 8% per annum for 4 years.

- (A) 840
- (B) 440
- (C) 160
- (D) 640

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{2000 \times 8 \times 4}{100} = \text{Rs. } 640.$

Q242. Find the average of 37, 74, 51, 24, 15.

- (A) 50.2
- (B) 40.2
- (C) 38.2
- (D) 42.2

Answer: B

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{201}{5} = 40.2.$

Q243. What is 30% of 320?

- (A) 80.0
- (B) 112.0
- (C) 96
- (D) 128.0

Answer: C

Explanation: $30\% \text{ of } 320 = \frac{30}{100} \times 320 = 96.$

Q244. Find the average of 60, 38, 33, 45, 62.

- (A) 59.5
- (B) 47.6
- (C) 49.6
- (D) 45.6

Answer: B

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{238}{5} = 47.6.$

Q245. What is 15% of 320?

- (A) 48
- (B) 64.0
- (C) 80.0
- (D) 32.0

Answer: A

Explanation: $15\% \text{ of } 320 = \frac{15}{100} \times 320 = 48.$

Q246. What is 40% of 120?

- (A) 48
- (B) 42.0
- (C) 54.0
- (D) 60.0

Answer: A

Explanation: $40\% \text{ of } 120 = \frac{40}{100} \times 120 = 48.$

Q247. Find the simple interest on Rs. 3000 at 12% per annum for 2 years.

- (A) 720
- (B) 360
- (C) 420
- (D) 1020

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 12 \times 2}{100} = \text{Rs. } 720$.

Q248. Find the average of 27, 34, 13, 18, 25.

- (A) 21.4
- (B) 23.4
- (C) 29.2
- (D) 25.4

Answer: B

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{117}{5} = 23.4$.

Q249. 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) 8.0
- (C) 18.0
- (D) 12

Answer: B

Explanation: Combined rate = $\frac{1}{12} + \frac{1}{24} = \frac{36}{288}$; time = $\frac{288}{36} = 8.0$ days.

Q250. 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) 8.57
- (C) 14
- (D) 4.62

Answer: D

Explanation: Combined rate = $\frac{1}{6} + \frac{1}{20} = \frac{26}{120}$; time = $\frac{120}{26} = 4.62$ days.

Q251. What is 50% of 750?

- (A) 450.0
- (B) 412.5
- (C) 375
- (D) 337.5

Answer: C

Explanation: 50% of 750 = $\frac{50}{100} \times 750 = 375$.

Q252. A can finish a work in 6 days and B in 12 days. In how many days can they finish it together?

- (A) 4.0
- (B) 12.0
- (C) 9.0
- (D) 6

Answer: A

Explanation: Combined rate = $\frac{1}{6} + \frac{1}{12} = \frac{18}{72}$; time = $\frac{72}{18} = 4.0$ days.

Q253. An item costs Rs. 500. At a profit of 12%, what is the selling price?

- (A) 560
- (B) 512
- (C) 524
- (D) 440.0

Answer: A

Explanation: Selling price = $500 \times (1 + 12/100) = \text{Rs. } 560$.

Q254. Find the simple interest on Rs. 4000 at 8% per annum for 3 years.

- (A) 1360
- (B) 560
- (C) 960
- (D) 320

Answer: C

Explanation: $SI = PRT/100 = 4000 \times 8 \times 3/100 = \text{Rs. } 960$.

Q255. Find the average of 30, 14, 71, 58, 33.

- (A) 51.5
- (B) 43.2
- (C) 41.2
- (D) 39.2

Answer: C

Explanation: Average = sum / count = $206/5 = 41.2$.

Q256. Find the average of 40, 45, 72, 78, 13.

- (A) 47.6
- (B) 51.6
- (C) 49.6
- (D) 62.0

Answer: C

Explanation: Average = sum / count = $248/5 = 49.6$.

Q257. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 189.0
- (B) 162
- (C) 18.0
- (D) 57

Answer: B

Explanation: Distance = speed x time = $54 \times 3 = 162 \text{ km}$.

Q258. A can finish a work in 8 days and B in 30 days. In how many days can they finish it together?

- (A) 6.32
- (B) 10.91
- (C) 22
- (D) 19.0

Answer: A

Explanation: Combined rate = $1/8 + 1/30 = (38)/240$; time = $240/38 = 6.32 \text{ days}$.

Q259. An item costs Rs. 500. At a profit of 25%, what is the selling price?

- (A) 625
- (B) 375.0
- (C) 550
- (D) 525

Answer: A

Explanation: Selling price = $500 \times (1 + 25/100) = \text{Rs. } 625$.

Q260. Find the average of 70, 18, 52, 28, 33.

- (A) 38.2
- (B) 50.2
- (C) 42.2
- (D) 40.2

Answer: D

Explanation: Average = sum / count = $201/5 = 40.2$.

Q261. Find the simple interest on Rs. 1500 at 8% per annum for 4 years.

- (A) 330
- (B) 630
- (C) 120
- (D) 480

Answer: D

Explanation: SI = $PRT/100 = 1500 \times 8 \times 4/100 = \text{Rs. } 480$.

Q262. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 162
- (B) 189.0
- (C) 57
- (D) 18.0

Answer: A

Explanation: Distance = speed x time = $54 \times 3 = 162 \text{ km}$.

Q263. Two quantities are in the ratio 3:4. If their total is 112, what is the first quantity?

- (A) 16
- (B) 64
- (C) 112
- (D) 48

Answer: D

Explanation: Total parts = 7. One part = $112/7 = 16$; first quantity = $3 \times 16 = 48$.

Q264. Two quantities are in the ratio 3:5. If their total is 112, what is the first quantity?

- (A) 42
- (B) 112
- (C) 28
- (D) 70

Answer: A

Explanation: Total parts = 8. One part = $112/8 = 14$; first quantity = $3 \times 14 = 42$.

Q265. Find the average of 44, 29, 79, 45, 25.

- (A) 44.4
- (B) 55.5
- (C) 46.4
- (D) 42.4

Answer: A

Explanation: Average = sum / count = $222/5 = 44.4$.

Q266. What is 60% of 750?

- (A) 487.5
- (B) 525.0
- (C) 412.5
- (D) 450

Answer: D

Explanation: 60% of 750 = $(60/100) \times 750 = 450$.

Q267. Find the simple interest on Rs. 3000 at 5% per annum for 4 years.

- (A) 150
- (B) 600
- (C) 300
- (D) 900

Answer: B

Explanation: SI = $PRT/100 = 3000 \times 5 \times 4/100 = \text{Rs. } 600$.

Q268. A vehicle travels at 30 km/h for 3.5 hours. What distance does it cover?

- (A) 105
- (B) 33.5
- (C) 8.57
- (D) 120.0

Answer: A

Explanation: Distance = speed x time = $30 \times 3.5 = 105 \text{ km}$.

Q269. Find the average of 47, 48, 63, 55, 80.

- (A) 73.2
- (B) 56.6
- (C) 58.6
- (D) 60.6

Answer: C

Explanation: Average = sum / count = $293/5 = 58.6$.

Q270. An item costs Rs. 300. At a profit of 30%, what is the selling price?

- (A) 210.0
- (B) 360
- (C) 330
- (D) 390

Answer: D

Explanation: Selling price = $300 \times (1 + 30/100) = \text{Rs. } 390$.

Q271. Two quantities are in the ratio 3:5. If their total is 120, what is the first quantity?

- (A) 30
- (B) 75
- (C) 45
- (D) 120

Answer: C

Explanation: Total parts = 8. One part = $120/8 = 15$; first quantity = $3 \times 15 = 45$.

Q272. Find the average of 35, 70, 19, 13, 56.

- (A) 36.6
- (B) 38.6
- (C) 48.2
- (D) 40.6

Answer: B

Explanation: Average = sum / count = $193/5 = 38.6$.

Q273. Find the average of 23, 48, 11, 16, 73.

- (A) 36.2
- (B) 42.8
- (C) 34.2
- (D) 32.2

Answer: C

Explanation: Average = sum / count = $171/5 = 34.2$.

Q274. A vehicle travels at 72 km/h for 2 hours. What distance does it cover?

- (A) 36.0
- (B) 144
- (C) 180.0
- (D) 74

Answer: B

Explanation: Distance = speed x time = $72 \times 2 = 144$ km.

Q275. Two quantities are in the ratio 5:7. If their total is 204, what is the first quantity?

- (A) 204
- (B) 119
- (C) 85
- (D) 34

Answer: C

Explanation: Total parts = 12. One part = $204/12 = 17$; first quantity = $5 \times 17 = 85$.

Q276. Two quantities are in the ratio 7:9. If their total is 176, what is the first quantity?

- (A) 99
- (B) 22
- (C) 176
- (D) 77

Answer: D

Explanation: Total parts = 16. One part = $176/16 = 11$; first quantity = $7 \times 11 = 77$.

Q277. A vehicle travels at 30 km/h for 3 hours. What distance does it cover?

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

Answer: D

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

Q278. A vehicle travels at 45 km/h for 2.5 hours. What distance does it cover?

- (A) 135.0
- (B) 18.0
- (C) 47.5
- (D) 112.5

Answer: D

Explanation: Distance = speed x time = $45 \times 2.5 = 112.5$ km.

Q279. Find the average of 36, 26, 31, 10, 54.

- (A) 33.4
- (B) 39.2
- (C) 31.4
- (D) 29.4

Answer: C

Explanation: Average = sum / count = $157/5 = 31.4$.

Q280. Find the simple interest on Rs. 4000 at 6% per annum for 4 years.

- (A) 240
- (B) 960
- (C) 1360
- (D) 560

Answer: B

Explanation: $SI = \frac{PRT}{100} = 4000 \times 6 \times 4/100 = \text{Rs. } 960$.

Q281. What is 12.5% of 160?

- (A) 28.0
- (B) 12.0
- (C) 36.0
- (D) 20

Answer: D

Explanation: $12.5\% \text{ of } 160 = (12.5/100) \times 160 = 20$.

Q282. Find the simple interest on Rs. 5000 at 8% per annum for 4 years.

- (A) 2100
- (B) 400
- (C) 1600
- (D) 1100

Answer: C

Explanation: $SI = \frac{PRT}{100} = 5000 \times 8 \times 4/100 = \text{Rs. } 1600$.

Q283. An item costs Rs. 600. At a profit of 30%, what is the selling price?

- (A) 660
- (B) 780
- (C) 420.0
- (D) 630

Answer: B

Explanation: Selling price = $600 \times (1 + 30/100) = \text{Rs. } 780$.

Q284. Find the average of 13, 12, 42, 52, 51.

- (A) 36
- (B) 34
- (C) 32
- (D) 42.5

Answer: B

Explanation: Average = sum / count = $170/5 = 34$.

Q285. Two quantities are in the ratio 5:7. If their total is 144, what is the first quantity?

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

Answer: B

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

Q286. A vehicle travels at 50 km/h for 4 hours. What distance does it cover?

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

Answer: D

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

Q287. An item costs Rs. 500. At a profit of 30%, what is the selling price?

- (A) 530
- (B) 350.0
- (C) 560
- (D) 650

Answer: D

Explanation: Selling price = $500 \times (1 + 30/100) = \text{Rs. } 650$.

Q288. Find the simple interest on Rs. 5000 at 12% per annum for 3 years.

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

Answer: A

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

Q289. A vehicle travels at 45 km/h for 2.5 hours. What distance does it cover?

- (A) 18.0
- (B) 135.0
- (C) 47.5
- (D) 112.5

Answer: D

Explanation: Distance = speed x time = $45 \times 2.5 = 112.5$ km.

Q290. Find the simple interest on Rs. 1000 at 5% per annum for 4 years.

- (A) 50
- (B) 200
- (C) 300
- (D) 100

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 5 \times 4}{100} = \text{Rs. } 200$.

Q291. What is 5% of 500?

- (A) 50.0
- (B) 75.0
- (C) 25
- (D) 0

Answer: C

Explanation: $5\% \text{ of } 500 = \frac{5}{100} \times 500 = 25$.

Q292. 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) 14
- (D) 4.62

Answer: D

Explanation: Combined rate = $\frac{1}{6} + \frac{1}{20} = \frac{26}{120}$; time = $\frac{120}{26} = 4.62$ days.

Q293. A can finish a work in 20 days and B in 12 days. In how many days can they finish it together?

- (A) 8
- (B) 240.0
- (C) 16.0
- (D) 7.5

Answer: D

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

Q294. Find the simple interest on Rs. 1200 at 8% per annum for 2 years.

- (A) 192
- (B) 96
- (C) 72
- (D) 312

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{1200 \times 8 \times 2}{100} = \text{Rs. } 192$.

Q295. Two quantities are in the ratio 3:4. If their total is 98, what is the first quantity?

- (A) 98
- (B) 56
- (C) 14
- (D) 42

Answer: D

Explanation: Total parts = 7. One part = $98/7 = 14$; first quantity = $3 \times 14 = 42$.

Q296. What is 35% of 150?

- (A) 67.5
- (B) 60.0
- (C) 45.0
- (D) 52.5

Answer: D

Explanation: 35% of 150 = $(35/100) \times 150 = 52.5$.

Q297. 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) 6.32
- (C) 10.91
- (D) 22

Answer: B

Explanation: Combined rate = $1/8 + 1/30 = (38)/240$; time = $240/38 = 6.32$ days.

Q298. What is 12.5% of 300?

- (A) 22.5
- (B) 52.5
- (C) 37.5
- (D) 67.5

Answer: C

Explanation: 12.5% of 300 = $(12.5/100) \times 300 = 37.5$.

Q299. 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) 12
- (C) 18.0
- (D) 8.0

Answer: D

Explanation: Combined rate = $1/12 + 1/24 = (36)/288$; time = $288/36 = 8.0$ days.

Q300. Find the simple interest on Rs. 4000 at 10% per annum for 4 years.

- (A) 1200
- (B) 2000
- (C) 400
- (D) 1600

Answer: D

Explanation: SI = $PRT/100 = 4000 \times 10 \times 4/100 = \text{Rs. } 1600$.

Q301. Two quantities are in the ratio 2:3. If their total is 55, what is the first quantity?

- (A) 33
- (B) 22
- (C) 55
- (D) 11

Answer: B

Explanation: Total parts = 5. One part = $55/5 = 11$; first quantity = $2 \times 11 = 22$.

Q302. 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) 2
- (D) 11.0

Answer: A

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

Q303. A can finish a work in 15 days and B in 20 days. In how many days can they finish it together?

- (A) 5
- (B) 8.57
- (C) 17.5
- (D) 60.0

Answer: B

Explanation: Combined rate = $1/15 + 1/20 = (35)/300$; time = $300/35 = 8.57$ days.

Q304. A vehicle travels at 36 km/h for 3 hours. What distance does it cover?

- (A) 39
- (B) 126.0
- (C) 12.0
- (D) 108

Answer: D

Explanation: Distance = speed $\times$ time = $36 \times 3 = 108$ km.

Q305. What is 30% of 320?

- (A) 112.0
- (B) 96
- (C) 128.0
- (D) 80.0

Answer: B

Explanation: 30% of 320 = $(30/100) \times 320 = 96$.

Q306. Two quantities are in the ratio 4:5. If their total is 81, what is the first quantity?

- (A) 45
- (B) 9
- (C) 36
- (D) 81

Answer: C

Explanation: Total parts = 9. One part = $81/9 = 9$; first quantity = $4 \times 9 = 36$.

Q307. Find the simple interest on Rs. 5000 at 6% per annum for 3 years.

- (A) 300
- (B) 1400
- (C) 400
- (D) 900

Answer: D

Explanation: $SI = \frac{PRT}{100} = 5000 \times 6 \times 3/100 = \text{Rs. } 900.$

Q308. A vehicle travels at 50 km/h for 2.5 hours. What distance does it cover?

- (A) 125
- (B) 150.0
- (C) 52.5
- (D) 20.0

Answer: A

Explanation: Distance = speed x time = $50 \times 2.5 = 125 \text{ km}.$

Q309. Find the simple interest on Rs. 1000 at 5% per annum for 2 years.

- (A) 50
- (B) 200
- (C) 1
- (D) 100

Answer: D

Explanation: $SI = \frac{PRT}{100} = 1000 \times 5 \times 2/100 = \text{Rs. } 100.$

Q310. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?

- (A) 0
- (B) 225.0
- (C) 15.0
- (D) 7.5

Answer: D

Explanation: Combined rate = $\frac{1}{15} + \frac{1}{15} = \frac{(30)}{225}$; time = $\frac{225}{30} = 7.5 \text{ days}.$

Q311. An item costs Rs. 600. At a profit of 10%, what is the selling price?

- (A) 540.0
- (B) 610
- (C) 620
- (D) 660

Answer: D

Explanation: Selling price = $600 \times (1 + 10/100) = \text{Rs. } 660.$

Q312. Find the simple interest on Rs. 5000 at 10% per annum for 3 years.

- (A) 1500
- (B) 500
- (C) 2000
- (D) 1000

Answer: A

Explanation: $SI = \frac{PRT}{100} = 5000 \times 10 \times 3/100 = \text{Rs. } 1500.$

Q313. A can finish a work in 6 days and B in 30 days. In how many days can they finish it together?

- (A) 24
- (B) 18.0
- (C) 5.0
- (D) 7.5

Answer: C

Explanation: Combined rate = $1/6 + 1/30 = (36)/180$; time = $180/36 = 5.0$ days.

Q314. A can finish a work in 12 days and B in 12 days. In how many days can they finish it together?

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

Answer: D

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

Q315. 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) 8
- (C) 6.43
- (D) 22.5

Answer: C

Explanation: Combined rate = $1/10 + 1/18 = (28)/180$; time = $180/28 = 6.43$ days.

Q316. Two quantities are in the ratio 4:5. If their total is 153, what is the first quantity?

- (A) 68
- (B) 17
- (C) 153
- (D) 85

Answer: A

Explanation: Total parts = 9. One part = $153/9 = 17$; first quantity = $4 \times 17 = 68$.

Q317. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 162
- (B) 57
- (C) 189.0
- (D) 18.0

Answer: A

Explanation: Distance = speed $\times$ time = $54 \times 3 = 162$ km.

Q318. A can finish a work in 10 days and B in 18 days. In how many days can they finish it together?

- (A) 6.43
- (B) 22.5
- (C) 8
- (D) 14.0

Answer: A

Explanation: Combined rate = $1/10 + 1/18 = (28)/180$; time = $180/28 = 6.43$ days.

Q319. Find the simple interest on Rs. 3000 at 10% per annum for 4 years.

- (A) 1500
- (B) 900
- (C) 1200
- (D) 300

Answer: C

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 10 \times 4}{100} = \text{Rs. } 1200$.

Q320. Find the average of 27, 51, 31, 59, 13.

- (A) 38.2
- (B) 34.2
- (C) 45.2
- (D) 36.2

Answer: D

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{181}{5} = 36.2$.

Q321. A can finish a work in 15 days and B in 24 days. In how many days can they finish it together?

- (A) 9.23
- (B) 40.0
- (C) 9
- (D) 19.5

Answer: A

Explanation: $\text{Combined rate} = \frac{1}{15} + \frac{1}{24} = \frac{39}{360}$; $\text{time} = \frac{360}{39} = 9.23 \text{ days}$.

Q322. Find the average of 75, 60, 45, 11, 42.

- (A) 58.2
- (B) 46.6
- (C) 48.6
- (D) 44.6

Answer: B

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{233}{5} = 46.6$.

Q323. 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: $\text{Combined rate} = \frac{1}{12} + \frac{1}{15} = \frac{27}{180}$; $\text{time} = \frac{180}{27} = 6.67 \text{ days}$.

Q324. A vehicle travels at 30 km/h for 3 hours. What distance does it cover?

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

Answer: D

Explanation: $\text{Distance} = \text{speed} \times \text{time} = 30 \times 3 = 90 \text{ km}$.

Q325. What is 35% of 800?

- (A) 240.0
- (B) 320.0
- (C) 280
- (D) 360.0

Answer: C

Explanation: $35\% \text{ of } 800 = (35/100) \times 800 = 280$.

Q326. Two quantities are in the ratio 3:5. If their total is 120, what is the first quantity?

- (A) 75
- (B) 30
- (C) 120
- (D) 45

Answer: D

Explanation: Total parts = 8. One part = $120/8 = 15$; first quantity = $3 \times 15 = 45$.

Q327. A vehicle travels at 72 km/h for 4 hours. What distance does it cover?

- (A) 76
- (B) 324.0
- (C) 18.0
- (D) 288

Answer: D

Explanation: Distance = speed $\times$ time = $72 \times 4 = 288$ km.

Q328. What is 5% of 150?

- (A) 0
- (B) 22.5
- (C) 7.5
- (D) 15.0

Answer: C

Explanation: $5\% \text{ of } 150 = (5/100) \times 150 = 7.5$.

Q329. What is 25% of 400?

- (A) 120.0
- (B) 80.0
- (C) 100
- (D) 140.0

Answer: C

Explanation: $25\% \text{ of } 400 = (25/100) \times 400 = 100$.

Q330. What is 10% of 800?

- (A) 40.0
- (B) 120.0
- (C) 160.0
- (D) 80

Answer: D

Explanation: $10\% \text{ of } 800 = (10/100) \times 800 = 80$.

Q331. Find the average of 33, 18, 47, 18, 36.

- (A) 38.0
- (B) 28.4
- (C) 30.4
- (D) 32.4

Answer: C

Explanation: Average = sum / count = $152/5 = 30.4$.

Q332. A vehicle travels at 45 km/h for 3.5 hours. What distance does it cover?

- (A) 48.5
- (B) 157.5
- (C) 180.0
- (D) 12.86

Answer: B

Explanation: Distance = speed x time = $45 \times 3.5 = 157.5$ km.

Q333. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 162
- (B) 189.0
- (C) 18.0
- (D) 57

Answer: A

Explanation: Distance = speed x time = $54 \times 3 = 162$ km.

Q334. Find the average of 19, 19, 36, 57, 61.

- (A) 40.4
- (B) 48.0
- (C) 36.4
- (D) 38.4

Answer: D

Explanation: Average = sum / count = $192/5 = 38.4$.

Q335. Find the simple interest on Rs. 5000 at 6% per annum for 3 years.

- (A) 1400
- (B) 900
- (C) 300
- (D) 400

Answer: B

Explanation: SI = $PRT/100 = 5000 \times 6 \times 3/100 = \text{Rs. } 900$.

Q336. Find the simple interest on Rs. 4000 at 6% per annum for 4 years.

- (A) 960
- (B) 240
- (C) 1360
- (D) 560

Answer: A

Explanation: SI = $PRT/100 = 4000 \times 6 \times 4/100 = \text{Rs. } 960$.

Q337. Find the average of 26, 63, 38, 40, 27.

- (A) 38.8
- (B) 36.8
- (C) 40.8
- (D) 48.5

Answer: A

Explanation: Average = sum / count = $194/5 = 38.8$.

Q338. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?

- (A) 7.5
- (B) 225.0
- (C) 15.0
- (D) 0

Answer: A

Explanation: Combined rate = $1/15 + 1/15 = (30)/225$; time = $225/30 = 7.5$ days.

Q339. Find the average of 19, 78, 41, 15, 80.

- (A) 46.6
- (B) 48.6
- (C) 44.6
- (D) 58.2

Answer: A

Explanation: Average = sum / count = $233/5 = 46.6$.

Q340. Find the average of 48, 69, 25, 26, 13.

- (A) 36.2
- (B) 45.2
- (C) 34.2
- (D) 38.2

Answer: A

Explanation: Average = sum / count = $181/5 = 36.2$.

Q341. A vehicle travels at 72 km/h for 2 hours. What distance does it cover?

- (A) 180.0
- (B) 36.0
- (C) 74
- (D) 144

Answer: D

Explanation: Distance = speed x time = $72 \times 2 = 144$ km.

Q342. Find the average of 67, 33, 64, 45, 77.

- (A) 59.2
- (B) 71.5
- (C) 55.2
- (D) 57.2

Answer: D

Explanation: Average = sum / count = $286/5 = 57.2$.

Q343. A can finish a work in 10 days and B in 18 days. In how many days can they finish it together?

- (A) 6.43
- (B) 8
- (C) 14.0
- (D) 22.5

Answer: A

Explanation: Combined rate = $1/10 + 1/18 = (28)/180$; time = $180/28 = 6.43$ days.

Q344. Find the simple interest on Rs. 1500 at 6% per annum for 4 years.

- (A) 210
- (B) 360
- (C) 90
- (D) 510

Answer: B

Explanation: $SI = PRT/100 = 1500 \times 6 \times 4/100 = \text{Rs. } 360$.

Q345. Find the simple interest on Rs. 1500 at 10% per annum for 3 years.

- (A) 300
- (B) 150
- (C) 600
- (D) 450

Answer: D

Explanation: $SI = PRT/100 = 1500 \times 10 \times 3/100 = \text{Rs. } 450$.

Q346. Find the simple interest on Rs. 2000 at 8% per annum for 2 years.

- (A) 320
- (B) 160
- (C) 120
- (D) 520

Answer: A

Explanation: $SI = PRT/100 = 2000 \times 8 \times 2/100 = \text{Rs. } 320$.

Q347. Find the average of 18, 58, 32, 19, 46.

- (A) 43.2
- (B) 32.6
- (C) 36.6
- (D) 34.6

Answer: D

Explanation: Average = sum / count = $173/5 = 34.6$.

Q348. Two quantities are in the ratio 5:7. If their total is 108, what is the first quantity?

- (A) 45
- (B) 108
- (C) 18
- (D) 63

Answer: A

Explanation: Total parts = 12. One part = $108/12 = 9$; first quantity = $5 \times 9 = 45$.

Q349. An item costs Rs. 250. At a profit of 20%, what is the selling price?

- (A) 200.0
- (B) 290
- (C) 270
- (D) 300

Answer: D

Explanation: Selling price = $250 \times (1 + 20/100) = \text{Rs. } 300$.

Q350. Find the simple interest on Rs. 2500 at 6% per annum for 4 years.

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

Answer: C

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

Q351. Find the average of 66, 32, 63, 50, 25.

- (A) 45.2
- (B) 47.2
- (C) 49.2
- (D) 59.0

Answer: B

Explanation: Average = sum / count = $236/5 = 47.2$.

Q352. A can finish a work in 10 days and B in 18 days. In how many days can they finish it together?

- (A) 6.43
- (B) 22.5
- (C) 8
- (D) 14.0

Answer: A

Explanation: Combined rate = $1/10 + 1/18 = (28)/180$; time = $180/28 = 6.43$ days.

Q353. Find the simple interest on Rs. 4000 at 10% per annum for 3 years.

- (A) 800
- (B) 1600
- (C) 400
- (D) 1200

Answer: D

Explanation: $SI = PRT/100 = 4000 \times 10 \times 3/100 = \text{Rs. } 1200$.

Q354. A can finish a work in 10 days and B in 12 days. In how many days can they finish it together?

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

Answer: D

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

Q355. Two quantities are in the ratio 3:4. If their total is 105, what is the first quantity?

- (A) 105
- (B) 60
- (C) 45
- (D) 15

Answer: C

Explanation: Total parts = 7. One part = $105/7 = 15$; first quantity = $3 \times 15 = 45$.

Q356. Find the average of 74, 34, 32, 54, 39.

- (A) 48.6
- (B) 44.6
- (C) 46.6
- (D) 58.2

Answer: C

Explanation: Average = sum / count = $233/5 = 46.6$.

Q357. An item costs Rs. 750. At a profit of 20%, what is the selling price?

- (A) 790
- (B) 900
- (C) 770
- (D) 600.0

Answer: B

Explanation: Selling price = $750 \times (1 + 20/100) = \text{Rs. } 900$.

Q358. Two quantities are in the ratio 5:7. If their total is 132, what is the first quantity?

- (A) 77
- (B) 132
- (C) 22
- (D) 55

Answer: D

Explanation: Total parts = 12. One part = $132/12 = 11$; first quantity = $5 \times 11 = 55$.

Q359. Two quantities are in the ratio 7:9. If their total is 160, what is the first quantity?

- (A) 90
- (B) 20
- (C) 160
- (D) 70

Answer: D

Explanation: Total parts = 16. One part = $160/16 = 10$; first quantity = $7 \times 10 = 70$.

Q360. 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 = $800 \times (1 + 10/100) = \text{Rs. } 880$.

Q361. A can finish a work in 20 days and B in 24 days. In how many days can they finish it together?

- (A) 22.0
- (B) 120.0
- (C) 4
- (D) 10.91

Answer: D

Explanation: Combined rate = $\frac{1}{20} + \frac{1}{24} = \frac{44}{480}$; time = $\frac{480}{44} = 10.91$ days.

Q362. Find the average of 29, 64, 43, 56, 49.

- (A) 46.2
- (B) 60.2
- (C) 50.2
- (D) 48.2

Answer: D

Explanation: Average = sum / count = $\frac{241}{5} = 48.2$.

Q363. A vehicle travels at 54 km/h for 3.5 hours. What distance does it cover?

- (A) 189
- (B) 57.5
- (C) 15.43
- (D) 216.0

Answer: A

Explanation: Distance = speed x time = $54 \times 3.5 = 189$ km.

Q364. Find the average of 62, 44, 41, 68, 27.

- (A) 60.5
- (B) 50.4
- (C) 48.4
- (D) 46.4

Answer: C

Explanation: Average = sum / count = $\frac{242}{5} = 48.4$.

Q365. An item costs Rs. 750. At a profit of 20%, what is the selling price?

- (A) 900
- (B) 600.0
- (C) 790
- (D) 770

Answer: A

Explanation: Selling price = $750 \times (1 + \frac{20}{100}) = \text{Rs. } 900$.

Q366. A can finish a work in 10 days and B in 20 days. In how many days can they finish it together?

- (A) 20.0
- (B) 6.67
- (C) 10
- (D) 15.0

Answer: B

Explanation: Combined rate = $\frac{1}{10} + \frac{1}{20} = \frac{30}{200}$; time = $\frac{200}{30} = 6.67$ days.

Q367. Find the simple interest on Rs. 3000 at 5% per annum for 2 years.

- (A) 300
- (B) 1
- (C) 150
- (D) 600

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 5 \times 2}{100} = \text{Rs. } 300.$

Q368. An item costs Rs. 400. At a profit of 25%, what is the selling price?

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

Answer: B

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

Q369. What is 5% of 150?

- (A) 22.5
- (B) 15.0
- (C) 7.5
- (D) 0

Answer: C

Explanation: 5% of 150 = $(\frac{5}{100}) \times 150 = 7.5.$

Q370. Find the simple interest on Rs. 3000 at 12% per annum for 2 years.

- (A) 720
- (B) 360
- (C) 1020
- (D) 420

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 12 \times 2}{100} = \text{Rs. } 720.$

Q371. Find the average of 10, 66, 72, 75, 70.

- (A) 73.2
- (B) 58.6
- (C) 60.6
- (D) 56.6

Answer: B

Explanation: Average = $\frac{\text{sum}}{\text{count}} = \frac{293}{5} = 58.6.$

Q372. An item costs Rs. 300. At a profit of 25%, what is the selling price?

- (A) 350
- (B) 375
- (C) 225.0
- (D) 325

Answer: B

Explanation: Selling price = $300 \times (1 + \frac{25}{100}) = \text{Rs. } 375.$

Q373. Two quantities are in the ratio 3:4. If their total is 112, what is the first quantity?

- (A) 64
- (B) 112
- (C) 48
- (D) 16

Answer: C

Explanation: Total parts = 7. One part = $112/7 = 16$; first quantity = $3 \times 16 = 48$.

Q374. A can finish a work in 8 days and B in 18 days. In how many days can they finish it together?

- (A) 10
- (B) 5.54
- (C) 14.4
- (D) 13.0

Answer: B

Explanation: Combined rate = $1/8 + 1/18 = (26)/144$; time = $144/26 = 5.54$ days.

Q375. A can finish a work in 20 days and B in 20 days. In how many days can they finish it together?

- (A) 400.0
- (B) 20.0
- (C) 10.0
- (D) 0

Answer: C

Explanation: Combined rate = $1/20 + 1/20 = (40)/400$; time = $400/40 = 10.0$ days.

Q376. A vehicle travels at 30 km/h for 3 hours. What distance does it cover?

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

Answer: B

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

Q377. Two quantities are in the ratio 4:5. If their total is 54, what is the first quantity?

- (A) 30
- (B) 54
- (C) 6
- (D) 24

Answer: D

Explanation: Total parts = 9. One part = $54/9 = 6$; first quantity = $4 \times 6 = 24$.

Q378. Find the simple interest on Rs. 1500 at 12% per annum for 2 years.

- (A) 360
- (B) 210
- (C) 180
- (D) 510

Answer: A

Explanation: SI = $PRT/100 = 1500 \times 12 \times 2/100 = \text{Rs. } 360$.

Q379. A can finish a work in 20 days and B in 18 days. In how many days can they finish it together?

- (A) 19.0
- (B) 360.0
- (C) 9.47
- (D) 2

Answer: C

Explanation: Combined rate = $\frac{1}{20} + \frac{1}{18} = \frac{38}{360}$; time = $\frac{360}{38} = 9.47$ days.

Q380. Find the average of 57, 46, 50, 14, 36.

- (A) 38.6
- (B) 50.8
- (C) 40.6
- (D) 42.6

Answer: C

Explanation: Average = sum / count = $\frac{203}{5} = 40.6$.

Q381. An item costs Rs. 800. At a profit of 25%, what is the selling price?

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

Answer: D

Explanation: Selling price = $800 \times (1 + \frac{25}{100}) = \text{Rs. } 1000$.

Q382. What is 35% of 500?

- (A) 150.0
- (B) 225.0
- (C) 200.0
- (D) 175

Answer: D

Explanation: 35% of 500 = $(\frac{35}{100}) \times 500 = 175$.

Q383. What is 40% of 500?

- (A) 200
- (B) 225.0
- (C) 175.0
- (D) 250.0

Answer: A

Explanation: 40% of 500 = $(\frac{40}{100}) \times 500 = 200$.

Q384. Find the simple interest on Rs. 4000 at 5% per annum for 3 years.

- (A) 1000
- (B) 600
- (C) 200
- (D) 744

Answer: B

Explanation: SI = $\frac{PRT}{100} = \frac{4000 \times 5 \times 3}{100} = \text{Rs. } 600$.

Q385. An item costs Rs. 800. At a profit of 15%, what is the selling price?

- (A) 830
- (B) 815
- (C) 680.0
- (D) 920

Answer: D

Explanation: Selling price = $800 \times (1 + 15/100) = \text{Rs. } 920$.

Q386. Find the average of 64, 37, 12, 42, 77.

- (A) 58.0
- (B) 48.4
- (C) 46.4
- (D) 44.4

Answer: C

Explanation: Average = sum / count = $232/5 = 46.4$.

Q387. Two quantities are in the ratio 3:5. If their total is 48, what is the first quantity?

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

Answer: B

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

Q388. Two quantities are in the ratio 5:7. If their total is 108, what is the first quantity?

- (A) 108
- (B) 18
- (C) 45
- (D) 63

Answer: C

Explanation: Total parts = 12. One part = $108/12 = 9$; first quantity = $5 \times 9 = 45$.

Q389. A vehicle travels at 40 km/h for 3 hours. What distance does it cover?

- (A) 120
- (B) 13.33
- (C) 43
- (D) 140.0

Answer: A

Explanation: Distance = speed $\times$ time = $40 \times 3 = 120$ km.

Q390. What is 35% of 180?

- (A) 63
- (B) 81.0
- (C) 54.0
- (D) 72.0

Answer: A

Explanation: 35% of 180 = $(35/100) \times 180 = 63$.

Q391. Two quantities are in the ratio 2:3. If their total is 25, what is the first quantity?

- (A) 25
- (B) 10
- (C) 5
- (D) 15

Answer: B

Explanation: Total parts = 5. One part = $25/5 = 5$; first quantity = $2 \times 5 = 10$.

Q392. An item costs Rs. 800. At a profit of 10%, what is the selling price?

- (A) 820
- (B) 880
- (C) 720.0
- (D) 810

Answer: B

Explanation: Selling price = $800 \times (1 + 10/100) = \text{Rs. } 880$.

Q393. Find the simple interest on Rs. 1200 at 8% per annum for 3 years.

- (A) 408
- (B) 168
- (C) 288
- (D) 96

Answer: C

Explanation: $SI = PRT/100 = 1200 \times 8 \times 3/100 = \text{Rs. } 288$.

Q394. Two quantities are in the ratio 5:7. If their total is 216, what is the first quantity?

- (A) 90
- (B) 216
- (C) 126
- (D) 36

Answer: A

Explanation: Total parts = 12. One part = $216/12 = 18$; first quantity = $5 \times 18 = 90$.

Q395. Find the simple interest on Rs. 2500 at 6% per annum for 3 years.

- (A) 150
- (B) 700
- (C) 200
- (D) 450

Answer: D

Explanation: $SI = PRT/100 = 2500 \times 6 \times 3/100 = \text{Rs. } 450$.

Q396. Two quantities are in the ratio 3:4. If their total is 28, what is the first quantity?

- (A) 4
- (B) 12
- (C) 16
- (D) 28

Answer: B

Explanation: Total parts = 7. One part = $28/7 = 4$; first quantity = $3 \times 4 = 12$.

Q397. Two quantities are in the ratio 3:5. If their total is 88, what is the first quantity?

- (A) 88
- (B) 22
- (C) 55
- (D) 33

Answer: D

Explanation: Total parts = 8. One part = $88/8 = 11$; first quantity = $3 \times 11 = 33$.

Q398. Find the average of 75, 44, 74, 51, 29.

- (A) 56.6
- (B) 68.2
- (C) 54.6
- (D) 52.6

Answer: C

Explanation: Average = sum / count = $273/5 = 54.6$.

Q399. An item costs Rs. 600. At a profit of 30%, what is the selling price?

- (A) 420.0
- (B) 630
- (C) 780
- (D) 660

Answer: C

Explanation: Selling price = $600 \times (1 + 30/100) = \text{Rs. } 780$.

Q400. An item costs Rs. 240. At a profit of 10%, what is the selling price?

- (A) 260
- (B) 216.0
- (C) 250
- (D) 264

Answer: D

Explanation: Selling price = $240 \times (1 + 10/100) = \text{Rs. } 264$.

Logical Reasoning

Q401. 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.

Q402. Find the next number: 2, 4, 6, 8, 10, ?

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

Answer: B

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

Q403. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: C

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

Q404. 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.

Q405. Find the next number: 4, 6, 8, 10, 12, ?

- (A) 16
- (B) 14
- (C) 12
- (D) 18

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $12 + 2 = 14$.

Q406. 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.

Q407. 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.

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: 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.

Q410. 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.

Q411. Find the next number: 12, 21, 30, 39, 48, ?

- (A) 48
- (B) 75
- (C) 66
- (D) 57

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $48 + 9 = 57$.

Q412. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: C

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

Q413. A person walks 4 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q414. 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.

Q415. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: A

Explanation: Shift each letter forward by one: CODE -> DPEF.

Q416. 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.

Q417. 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.

Q418. 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.

Q419. 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.

Q420. Find the next number: 3, 12, 21, 30, 39, ?

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

Answer: D

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

Q421. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: D

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

Q422. Find the next number: 8, 16, 24, 32, 40, ?

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

Answer: A

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

Q423. 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.

Q424. 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.

Q425. 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 $46 + 8 = 54$.

Q426. 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.

Q427. A person walks 5 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q428. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

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

Answer: B

Explanation: The wild animals need not be cats.

Q429. 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.

Q430. A person walks 10 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q431. Find the next number: 12, 20, 28, 36, 44, ?

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

Answer: B

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

Q432. Find the next number: 13, 17, 21, 25, 29, ?

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

Answer: C

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

Q433. A person walks 5 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q434. 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.

Q435. 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.

Q436. 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.

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. 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 → DPEF.

Q439. A person walks 4 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q440. Find the next number: 16, 18, 20, 22, 24, ?

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

Answer: D

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

Q441. 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 $\rightarrow$ EPH.

Q442. Find the next number: 8, 15, 22, 29, 36, ?

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

Answer: B

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

Q443. Find the next number: 19, 22, 25, 28, 31, ?

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

Answer: B

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

Q444. 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 $51 + 8 = 59$.

Q445. Find the next number: 7, 12, 17, 22, 27, ?

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

Answer: D

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

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 CAT coded?

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

Answer: D

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

Q448. 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.

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. A person walks 5 km north and then 8 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 = $\sqrt{5^2 + 8^2} = 9.43$ km.

Q451. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: D

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

Q452. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: A

Explanation: Shift each letter forward by one: CODE -> DPEF.

Q453. 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.

Q454. 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.

Q455. Find the next number: 8, 13, 18, 23, 28, ?

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

Answer: C

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

Q456. Choose the odd one out.

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

Answer: D

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

Q457. 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.

Q458. A person walks 10 km north and then 3 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q459. A person walks 5 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q460. Find the next number: 7, 15, 23, 31, 39, ?

- (A) 47
- (B) 63
- (C) 39
- (D) 55

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $39 + 8 = 47$.

Q461. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: A

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

Q462. 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.

Q463. A person walks 3 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q464. 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.

Q465. 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.

Q466. 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.

Q467. 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.

Q468. 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.

Q469. 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.

Q470. A person walks 4 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q471. 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.

Q472. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: A

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

Q473. A person walks 4 km north and then 4 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

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

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

Answer: C

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

Q476. 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.

Q477. 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.

Q478. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: C

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

Q479. 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.

Q480. 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.

Q481. 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.

Q482. 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.

Q483. A person walks 7 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q484. 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.

Q485. Find the next number: 13, 19, 25, 31, 37, ?

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

Answer: D

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

Q486. Find the next number: 19, 24, 29, 34, 39, ?

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

Answer: B

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

Q487. Find the next number: 2, 7, 12, 17, 22, ?

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

Answer: A

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

Q488. 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 $\rightarrow$ CBOL.

Q489. Find the next number: 9, 11, 13, 15, 17, ?

- (A) 17
- (B) 21
- (C) 23
- (D) 19

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $17 + 2 = 19$.

Q490. A person walks 6 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q491. 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.

Q492. 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.

Q493. 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.

Q494. 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.

Q495. 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.

Q496. A person walks 7 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q497. 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.

Q498. 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.

Q499. 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.

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

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

Answer: A

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

Q501. 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.

Q502. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: A

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

Q503. 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.

Q504. 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.

Q505. Find the next number: 18, 27, 36, 45, 54, ?

- (A) 54
- (B) 72
- (C) 81
- (D) 63

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $54 + 9 = 63$.

Q506. 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.

Q507. Find the next number: 15, 20, 25, 30, 35, ?

- (A) 50
- (B) 40
- (C) 35
- (D) 45

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $35 + 5 = 40$.

Q508. 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.

Q509. Find the next number: 14, 23, 32, 41, 50, ?

- (A) 50
- (B) 68
- (C) 77
- (D) 59

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $50 + 9 = 59$.

Q510. 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.

Q511. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: D

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

Q512. A person walks 10 km north and then 3 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q513. Find the next number: 2, 9, 16, 23, 30, ?

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

Answer: A

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

Q514. A person walks 5 km north and then 10 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 = $\sqrt{5^2 + 10^2} = 11.18$ km.

Q515. 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.

Q516. Find the next number: 18, 23, 28, 33, 38, ?

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

Answer: B

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

Q517. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: D

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

Q518. 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.

Q519. 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.

Q520. 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.

Q521. A person walks 10 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q522. 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.

Q523. 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.

Q524. 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.

Q525. A person walks 3 km north and then 4 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q526. 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.

Q527. Find the next number: 19, 24, 29, 34, 39, ?

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

Answer: D

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

Q528. 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.

Q529. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: B

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

Q530. 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.

Q531. A person walks 5 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q532. 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.

Q533. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: C

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

Q534. Find the next number: 3, 6, 9, 12, 15, ?

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

Answer: C

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

Q535. 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.

Q536. 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.

Q537. 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.

Q538. A person walks 3 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q539. Find the next number: 9, 18, 27, 36, 45, ?

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

Answer: D

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

Q540. 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.

Q541. 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.

Q542. 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.

Q543. A person walks 8 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q544. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: C

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

Q545. 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.

Q546. 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.

Q547. 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.

Q548. 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.

Q549. Find the next number: 4, 8, 12, 16, 20, ?

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

Answer: C

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

Q550. 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.

Q551. Find the next number: 17, 19, 21, 23, 25, ?

- (A) 25
- (B) 31
- (C) 29
- (D) 27

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $25 + 2 = 27$.

Q552. 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.

Q553. A person walks 6 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q554. A person walks 7 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q555. Find the next number: 5, 10, 15, 20, 25, ?

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

Answer: A

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

Q556. Find the next number: 6, 10, 14, 18, 22, ?

- (A) 22
- (B) 30
- (C) 26
- (D) 34

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $22 + 4 = 26$.

Q557. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

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

Answer: B

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

Q558. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: D

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

Q559. A person walks 7 km north and then 4 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q560. 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.

Q561. 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.

Q562. A person walks 8 km north and then 3 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q563. 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.

Q564. 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.

Q565. 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.

Q566. 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.

Q567. Find the next number: 13, 16, 19, 22, 25, ?

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

Answer: C

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

Q568. 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.

Q569. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

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

Answer: A

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

Q570. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

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

Answer: D

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

Q571. Find the next number: 16, 25, 34, 43, 52, ?

- (A) 70
- (B) 79
- (C) 61
- (D) 52

Answer: C

Explanation: The sequence increases by 9 each time, so the next number is $52 + 9 = 61$.

Q572. 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 $32 + 5 = 37$.

Q573. Find the next number: 5, 7, 9, 11, 13, ?

- (A) 13
- (B) 19
- (C) 15
- (D) 17

Answer: C

Explanation: The sequence increases by 2 each time, so the next number is $13 + 2 = 15$.

Q574. 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 $33 + 4 = 37$.

Q575. Find the next number: 4, 8, 12, 16, 20, ?

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

Answer: C

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

Q576. A person walks 5 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q577. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: B

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

Q578. 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.

Q579. 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.

Q580. 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.

Q581. A person walks 5 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q582. 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.

Q583. 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.

Q584. A person walks 8 km north and then 4 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q585. 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) 9.22
- (C) 13
- (D) 1

Answer: B

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

Q586. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: B

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

Q587. 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.

Q588. Find the next number: 15, 24, 33, 42, 51, ?

- (A) 69
- (B) 51
- (C) 78
- (D) 60

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $51 + 9 = 60$.

Q589. 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.

Q590. 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.

Q591. 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.

Q592. A person walks 9 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 14.73
- (B) 0
- (C) 12.73
- (D) 18

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 9^2} = 12.73$ km.

Q593. 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.

Q594. Find the next number: 3, 9, 15, 21, 27, ?

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

Answer: A

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

Q595. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: A

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

Q596. 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.

Q597. Find the next number: 2, 5, 8, 11, 14, ?

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

Answer: C

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

Q598. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: B

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

Q599. Find the next number: 19, 28, 37, 46, 55, ?

- (A) 55
- (B) 64
- (C) 73
- (D) 82

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $55 + 9 = 64$.

Q600. A person walks 8 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q601. 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.

Q602. 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.

Q603. 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.

Q604. 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.

Q605. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: D

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

Q606. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

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

Answer: D

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

Q607. Find the next number: 7, 16, 25, 34, 43, ?

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

Answer: B

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

Q608. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: C

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

Q609. A person walks 10 km north and then 3 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q610. 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.

Q611. 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.

Q612. Find the next number: 13, 15, 17, 19, 21, ?

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

Answer: C

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

Q613. A person walks 8 km north and then 4 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q614. 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.

Q615. A person walks 10 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q616. A person walks 3 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q617. 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.

Q618. 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.

Q619. 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.

Q620. Find the next number: 6, 10, 14, 18, 22, ?

- (A) 34
- (B) 26
- (C) 30
- (D) 22

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $22 + 4 = 26$.

Q621. 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.

Q622. 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.

Q623. 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.

Q624. 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.

Q625. 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.

Q626. Find the next number: 15, 23, 31, 39, 47, ?

- (A) 63
- (B) 55
- (C) 71
- (D) 47

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $47 + 8 = 55$.

Q627. 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.

Q628. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: B

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

Q629. 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.

Q630. Find the next number: 15, 20, 25, 30, 35, ?

- (A) 45
- (B) 35
- (C) 40
- (D) 50

Answer: C

Explanation: The sequence increases by 5 each time, so the next number is $35 + 5 = 40$.

Q631. Find the next number: 20, 27, 34, 41, 48, ?

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

Answer: D

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

Q632. Find the next number: 13, 19, 25, 31, 37, ?

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

Answer: B

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

Q633. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: D

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

Q634. A person walks 9 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q635. 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.

Q636. 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.

Q637. A person walks 6 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q638. 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.

Q639. Find the next number: 20, 24, 28, 32, 36, ?

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

Answer: C

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

Q640. 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.

Q641. 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) 15
- (C) 5
- (D) 11.18

Answer: D

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

Q642. 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.

Q643. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

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

Answer: B

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

Q644. 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.

Q645. 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.

Q646. 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.

Q647. 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.

Q648. 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.

Q649. 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.

Q650. 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.

Q651. 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.

Q652. A person walks 10 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q653. A person walks 7 km north and then 3 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q654. 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.

Q655. 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.

Q656. Find the next number: 16, 24, 32, 40, 48, ?

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

Answer: C

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

Q657. 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) 1
- (D) 10.63

Answer: D

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

Q658. 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.

Q659. Find the next number: 16, 23, 30, 37, 44, ?

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

Answer: C

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

Q660. Find the next number: 10, 19, 28, 37, 46, ?

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

Answer: A

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

Q661. Find the next number: 6, 10, 14, 18, 22, ?

- (A) 34
- (B) 30
- (C) 26
- (D) 22

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $22 + 4 = 26$.

Q662. 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.

Q663. A person walks 8 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q664. 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.

Q665. 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.

Q666. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: A

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

Q667. 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.

Q668. Find the next number: 7, 12, 17, 22, 27, ?

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

Answer: C

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

Q669. 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.

Q670. 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.

Q671. 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.

Q672. 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.

Q673. Find the next number: 18, 21, 24, 27, 30, ?

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

Answer: C

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

Q674. 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.

Q675. 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.

Q676. 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.

Q677. A person walks 6 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q678. A person walks 10 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q679. 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.

Q680. Find the next number: 18, 26, 34, 42, 50, ?

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

Answer: C

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

Q681. Find the next number: 11, 16, 21, 26, 31, ?

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

Answer: A

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

Q682. Find the next number: 13, 15, 17, 19, 21, ?

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

Answer: C

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

Q683. 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.

Q684. 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.

Q685. 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.

Q686. 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.

Q687. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: B

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

Q688. 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.

Q689. Find the next number: 20, 26, 32, 38, 44, ?

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

Answer: A

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

Q690. A person walks 6 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q691. A person walks 6 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q692. A person walks 3 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q693. A person walks 5 km north and then 3 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 = $\sqrt{5^2 + 3^2} = 5.83$ km.

Q694. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: A

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

Q695. A person walks 4 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q696. 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.

Q697. Find the next number: 7, 13, 19, 25, 31, ?

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

Answer: C

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

Q698. 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.

Q699. Find the next number: 6, 13, 20, 27, 34, ?

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

Answer: A

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

Q700. 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.

Q701. Find the next number: 18, 25, 32, 39, 46, ?

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

Answer: A

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

Q702. 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.

Q703. 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.

Q704. A person walks 3 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q705. Find the next number: 12, 17, 22, 27, 32, ?

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

Answer: C

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

Q706. Find the next number: 16, 19, 22, 25, 28, ?

- (A) 31
- (B) 34
- (C) 37
- (D) 28

Answer: A

Explanation: The sequence increases by 3 each time, so the next number is $28 + 3 = 31$.

Q707. A person walks 6 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q708. 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.

Q709. Find the next number: 6, 8, 10, 12, 14, ?

- (A) 14
- (B) 16
- (C) 18
- (D) 20

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $14 + 2 = 16$.

Q710. 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.

Q711. 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.

Q712. 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.

Q713. 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.

Q714. 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.

Q715. Find the next number: 18, 25, 32, 39, 46, ?

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

Answer: A

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

Q716. Find the next number: 4, 9, 14, 19, 24, ?

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

Answer: A

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

Q717. 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.

Q718. Find the next number: 19, 22, 25, 28, 31, ?

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

Answer: C

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

Q719. 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.

Q720. Find the next number: 9, 16, 23, 30, 37, ?

- (A) 37
- (B) 58
- (C) 51
- (D) 44

Answer: D

Explanation: The sequence increases by 7 each time, so the next number is $37 + 7 = 44$.

Q721. 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.

Q722. 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) 12
- (D) 9.49

Answer: D

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

Q723. 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.

Q724. A person walks 8 km north and then 10 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 = $\sqrt{8^2 + 10^2} = 12.81$ km.

Q725. Find the next number: 11, 19, 27, 35, 43, ?

- (A) 59
- (B) 67
- (C) 43
- (D) 51

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $43 + 8 = 51$.

Q726. A person walks 3 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q727. Find the next number: 11, 13, 15, 17, 19, ?

- (A) 19
- (B) 21
- (C) 23
- (D) 25

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $19 + 2 = 21$.

Q728. Find the next number: 12, 20, 28, 36, 44, ?

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

Answer: B

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

Q729. 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.

Q730. 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.

Q731. Find the next number: 18, 27, 36, 45, 54, ?

- (A) 72
- (B) 81
- (C) 63
- (D) 54

Answer: C

Explanation: The sequence increases by 9 each time, so the next number is $54 + 9 = 63$.

Q732. Find the next number: 14, 18, 22, 26, 30, ?

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

Answer: A

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

Q733. 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) 12
- (D) 9.49

Answer: D

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

Q734. 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.

Q735. 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.

Q736. 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.

Q737. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q738. 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.

Q739. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: A

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

Q740. Find the next number: 7, 11, 15, 19, 23, ?

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

Answer: B

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

Q741. Find the next number: 11, 14, 17, 20, 23, ?

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

Answer: B

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

Q742. 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.

Q743. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

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

Answer: D

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

Q744. 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) 18
- (C) 2
- (D) 12.81

Answer: D

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

Q745. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

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

Answer: C

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

Q746. 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.

Q747. 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.

Q748. 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.

Q749. 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.

Q750. 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.

Q751. 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.

Q752. Find the next number: 19, 26, 33, 40, 47, ?

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

Answer: C

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

Q753. A person walks 4 km north and then 4 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q754. A person walks 5 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q755. 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.

Q756. A person walks 5 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q757. 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 $46 + 7 = 53$.

Q758. 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) 17
- (D) 14.04

Answer: A

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

Q759. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: D

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

Q760. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

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

Answer: D

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

Q761. 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.

Q762. A person walks 9 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 18
- (B) 0
- (C) 12.73
- (D) 14.73

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 9^2} = 12.73$ km.

Q763. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

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

Answer: D

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

Q764. Find the next number: 12, 15, 18, 21, 24, ?

- (A) 24
- (B) 27
- (C) 33
- (D) 30

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $24 + 3 = 27$.

Q765. 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.

Q766. Find the next number: 2, 6, 10, 14, 18, ?

- (A) 30
- (B) 18
- (C) 26
- (D) 22

Answer: D

Explanation: The sequence increases by 4 each time, so the next number is $18 + 4 = 22$.

Q767. A person walks 4 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q768. 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.

Q769. 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.

Q770. A person walks 3 km north and then 4 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q771. 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.

Q772. A person walks 3 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q773. Find the next number: 19, 22, 25, 28, 31, ?

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

Answer: B

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

Q774. 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.

Q775. A person walks 3 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q776. A person walks 7 km north and then 7 km east. What is the straight-line distance from the starting point?

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

Answer: B

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

Q777. 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.

Q778. Find the next number: 16, 25, 34, 43, 52, ?

- (A) 70
- (B) 79
- (C) 61
- (D) 52

Answer: C

Explanation: The sequence increases by 9 each time, so the next number is $52 + 9 = 61$.

Q779. 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.

Q780. 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.

Q781. Find the next number: 16, 18, 20, 22, 24, ?

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

Answer: D

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

Q782. 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.

Q783. 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.

Q784. Find the next number: 19, 23, 27, 31, 35, ?

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

Answer: B

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

Q785. A person walks 7 km north and then 6 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q786. A person walks 5 km north and then 9 km east. What is the straight-line distance from the starting point?

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

Answer: C

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

Q787. 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.

Q788. 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.

Q789. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

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

Answer: C

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

Q790. 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.

Q791. Find the next number: 15, 18, 21, 24, 27, ?

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

Answer: B

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

Q792. A person walks 4 km north and then 5 km east. What is the straight-line distance from the starting point?

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

Answer: D

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

Q793. 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.

Q794. 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.

Q795. Find the next number: 19, 24, 29, 34, 39, ?

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

Answer: C

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

Q796. 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.

Q797. 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.

Q798. 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.

Q799. A person walks 7 km north and then 10 km east. What is the straight-line distance from the starting point?

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

Answer: A

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

Q800. 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.

General Scientific Aptitude

Q801. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 m/s^2
- (C) 9.8 m/s^2
- (D) 98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q802. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q803. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) neutron
- (D) proton

Answer: A

Explanation: Electrons carry negative charge.

Q804. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) KCl
- (C) CaCO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q805. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin A
- (D) Vitamin C

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q806. The unit of electric power is

- (A) watt
- (B) volt
- (C) ohm
- (D) ampere

Answer: A

Explanation: Power is measured in watts.

Q807. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) watt
- (D) volt

Answer: C

Explanation: Power is measured in watts.

Q808. The chemical formula of common salt is

- (A) CaCO_3
- (B) NaCl
- (C) Na_2CO_3
- (D) KCl

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q809. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 9.8 m/s^2
- (C) 0.98 m/s^2
- (D) 3.0 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q810. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 3.0 m/s^2
- (C) 9.8 m/s^2
- (D) 0.98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q811. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin D
- (C) Vitamin A
- (D) Vitamin K

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q812. Which particle has a negative electric charge?

- (A) proton
- (B) electron
- (C) alpha particle
- (D) neutron

Answer: B

Explanation: Electrons carry negative charge.

Q813. The unit of electric power is

- (A) ohm
- (B) volt
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q814. The unit of electric power is

- (A) ohm
- (B) ampere
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q815. Which particle has a negative electric charge?

- (A) neutron
- (B) electron
- (C) alpha particle
- (D) proton

Answer: B

Explanation: Electrons carry negative charge.

Q816. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 1
- (D) 14

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q817. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 14
- (C) 0
- (D) 1

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q818. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Boyle's law
- (C) Hooke's law
- (D) Ohm's law

Answer: D

Explanation: Ohm's law gives $V = IR$.

Q819. The chemical formula of common salt is

- (A) CaCO_3
- (B) Na_2CO_3
- (C) NaCl
- (D) KCl

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q820. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Newton's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q821. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q822. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) alpha particle
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q823. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin D
- (C) Vitamin C
- (D) Vitamin K

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q824. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin D
- (C) Vitamin C
- (D) Vitamin A

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q825. The chemical formula of common salt is

- (A) CaCO_3
- (B) KCl
- (C) Na_2CO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q826. The chemical formula of common salt is

- (A) KCl
- (B) CaCO_3
- (C) NaCl
- (D) Na_2CO_3

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q827. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 98 m/s^2
- (C) 0.98 m/s^2
- (D) 3.0 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q828. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) NaCl
- (C) CaCO_3
- (D) KCl

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q829. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin A

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q830. The unit of electric power is

- (A) ampere
- (B) volt
- (C) watt
- (D) ohm

Answer: C

Explanation: Power is measured in watts.

Q831. The chemical formula of common salt is

- (A) KCl
- (B) CaCO_3
- (C) Na_2CO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q832. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 9.8 m/s^2
- (C) 3.0 m/s^2
- (D) 98 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q833. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 m/s^2
- (C) 98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q834. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Newton's law
- (C) Boyle's law
- (D) Hooke's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q835. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 14
- (C) 0
- (D) 1

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q836. Which particle has a negative electric charge?

- (A) proton
- (B) electron
- (C) neutron
- (D) alpha particle

Answer: B

Explanation: Electrons carry negative charge.

Q837. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 1
- (D) 14

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q838. Which particle has a negative electric charge?

- (A) proton
- (B) neutron
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q839. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Hooke's law
- (B) Ohm's law
- (C) Newton's law
- (D) Boyle's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q840. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 m/s^2
- (C) 9.8 m/s^2
- (D) 98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q841. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 3.0 m/s^2
- (C) 0.98 m/s^2
- (D) 98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q842. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) NaCl
- (D) KCl

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q843. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 0
- (C) 7
- (D) 14

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q844. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Boyle's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q845. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 0.98 m/s^2
- (C) 3.0 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q846. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Hooke's law
- (C) Boyle's law
- (D) Newton's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q847. The chemical formula of common salt is

- (A) NaCl
- (B) Na_2CO_3
- (C) KCl
- (D) CaCO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q848. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Hooke's law

Answer: C

Explanation: Ohm's law gives $V = IR$.

Q849. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 3.0 m/s^2
- (C) 98 m/s^2
- (D) 0.98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q850. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Boyle's law
- (C) Newton's law
- (D) Hooke's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q851. The unit of electric power is

- (A) volt
- (B) ohm
- (C) ampere
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q852. Which particle has a negative electric charge?

- (A) proton
- (B) neutron
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q853. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 0
- (C) 1
- (D) 14

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q854. The chemical formula of common salt is

- (A) CaCO_3
- (B) KCl
- (C) NaCl
- (D) Na_2CO_3

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q855. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 14
- (C) 1
- (D) 0

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q856. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) NaCl
- (D) KCl

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q857. Which particle has a negative electric charge?

- (A) proton
- (B) electron
- (C) neutron
- (D) alpha particle

Answer: B

Explanation: Electrons carry negative charge.

Q858. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 14
- (C) 1
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q859. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q860. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 0
- (C) 1
- (D) 14

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q861. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin K

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q862. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 7
- (C) 14
- (D) 0

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q863. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 9.8 m/s^2
- (C) 98 m/s^2
- (D) 0.98 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q864. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin A
- (C) Vitamin D
- (D) Vitamin K

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q865. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin A
- (C) Vitamin D
- (D) Vitamin C

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q866. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) NaCl
- (C) CaCO_3
- (D) KCl

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q867. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 9.8 m/s^2
- (C) 3.0 m/s^2
- (D) 0.98 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q868. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 9.8 m/s^2
- (C) 0.98 m/s^2
- (D) 3.0 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q869. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin D
- (C) Vitamin C
- (D) Vitamin K

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q870. Which particle has a negative electric charge?

- (A) alpha particle
- (B) electron
- (C) proton
- (D) neutron

Answer: B

Explanation: Electrons carry negative charge.

Q871. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q872. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 1
- (D) 14

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q873. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Boyle's law
- (C) Hooke's law
- (D) Ohm's law

Answer: D

Explanation: Ohm's law gives $V = IR$.

Q874. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q875. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 0.98 m/s^2
- (C) 98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q876. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 0
- (C) 1
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q877. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) watt
- (D) volt

Answer: C

Explanation: Power is measured in watts.

Q878. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Ohm's law
- (C) Newton's law
- (D) Hooke's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q879. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) alpha particle
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q880. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Hooke's law
- (B) Ohm's law
- (C) Newton's law
- (D) Boyle's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q881. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin A
- (C) Vitamin D
- (D) Vitamin K

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q882. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO₃
- (C) Na₂CO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q883. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Boyle's law
- (C) Newton's law
- (D) Hooke's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q884. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin D
- (C) Vitamin C
- (D) Vitamin K

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q885. The unit of electric power is

- (A) volt
- (B) watt
- (C) ampere
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q886. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) KCl
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q887. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin C
- (C) Vitamin K
- (D) Vitamin A

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q888. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin A
- (C) Vitamin K
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q889. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Ohm's law
- (C) Boyle's law
- (D) Hooke's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q890. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q891. The unit of electric power is

- (A) volt
- (B) ohm
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q892. The unit of electric power is

- (A) volt
- (B) ohm
- (C) ampere
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q893. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q894. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 98 m/s^2
- (C) 3.0 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q895. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q896. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 1
- (C) 7
- (D) 14

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q897. Which particle has a negative electric charge?

- (A) electron
- (B) neutron
- (C) proton
- (D) alpha particle

Answer: A

Explanation: Electrons carry negative charge.

Q898. Which particle has a negative electric charge?

- (A) proton
- (B) neutron
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q899. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin A

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q900. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 98 m/s^2
- (C) 3.0 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q901. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Newton's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q902. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 1
- (C) 0
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q903. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 0.98 m/s^2
- (C) 9.8 m/s^2
- (D) 98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q904. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 7
- (C) 1
- (D) 0

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q905. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Hooke's law
- (B) Newton's law
- (C) Boyle's law
- (D) Ohm's law

Answer: D

Explanation: Ohm's law gives $V = IR$.

Q906. Which particle has a negative electric charge?

- (A) proton
- (B) electron
- (C) neutron
- (D) alpha particle

Answer: B

Explanation: Electrons carry negative charge.

Q907. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Hooke's law
- (B) Ohm's law
- (C) Newton's law
- (D) Boyle's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q908. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO_3
- (C) KCl
- (D) Na_2CO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q909. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin C

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q910. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Hooke's law
- (C) Newton's law
- (D) Ohm's law

Answer: D

Explanation: Ohm's law gives $V = IR$.

Q911. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin C

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q912. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin A

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q913. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin K

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q914. The unit of electric power is

- (A) watt
- (B) volt
- (C) ampere
- (D) ohm

Answer: A

Explanation: Power is measured in watts.

Q915. The chemical formula of common salt is

- (A) CaCO_3
- (B) NaCl
- (C) Na_2CO_3
- (D) KCl

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q916. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Boyle's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q917. The unit of electric power is

- (A) ohm
- (B) volt
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q918. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 14
- (D) 1

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q919. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 14
- (D) 1

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q920. The unit of electric power is

- (A) ohm
- (B) watt
- (C) volt
- (D) ampere

Answer: B

Explanation: Power is measured in watts.

Q921. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 0.98 m/s^2
- (C) 3.0 m/s^2
- (D) 98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q922. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 9.8 m/s^2
- (C) 0.98 m/s^2
- (D) 3.0 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q923. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 9.8 m/s^2
- (C) 3.0 m/s^2
- (D) 98 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q924. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO_3
- (C) Na_2CO_3
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q925. Which particle has a negative electric charge?

- (A) neutron
- (B) electron
- (C) alpha particle
- (D) proton

Answer: B

Explanation: Electrons carry negative charge.

Q926. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q927. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 14
- (C) 7
- (D) 0

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q928. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q929. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Hooke's law
- (C) Ohm's law
- (D) Boyle's law

Answer: C

Explanation: Ohm's law gives $V = IR$.

Q930. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q931. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin C
- (C) Vitamin A
- (D) Vitamin K

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q932. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin C

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q933. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO₃
- (C) Na₂CO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q934. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin A
- (D) Vitamin C

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q935. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s²
- (B) 98 m/s²
- (C) 0.98 m/s²
- (D) 9.8 m/s²

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q936. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s²
- (B) 9.8 m/s²
- (C) 0.98 m/s²
- (D) 3.0 m/s²

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q937. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin C

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q938. The unit of electric power is

- (A) ohm
- (B) watt
- (C) ampere
- (D) volt

Answer: B

Explanation: Power is measured in watts.

Q939. The unit of electric power is

- (A) volt
- (B) ampere
- (C) watt
- (D) ohm

Answer: C

Explanation: Power is measured in watts.

Q940. The unit of electric power is

- (A) volt
- (B) watt
- (C) ohm
- (D) ampere

Answer: B

Explanation: Power is measured in watts.

Q941. The unit of electric power is

- (A) watt
- (B) ampere
- (C) ohm
- (D) volt

Answer: A

Explanation: Power is measured in watts.

Q942. The unit of electric power is

- (A) watt
- (B) ohm
- (C) volt
- (D) ampere

Answer: A

Explanation: Power is measured in watts.

Q943. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 0
- (C) 14
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q944. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 m/s^2
- (C) 98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q945. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Hooke's law
- (C) Boyle's law
- (D) Newton's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q946. The chemical formula of common salt is

- (A) KCl
- (B) Na_2CO_3
- (C) CaCO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q947. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q948. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Boyle's law
- (C) Newton's law
- (D) Hooke's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q949. The unit of electric power is

- (A) ohm
- (B) watt
- (C) ampere
- (D) volt

Answer: B

Explanation: Power is measured in watts.

Q950. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Hooke's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Newton's law

Answer: C

Explanation: Ohm's law gives $V = IR$.

Q951. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q952. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q953. The unit of electric power is

- (A) watt
- (B) volt
- (C) ampere
- (D) ohm

Answer: A

Explanation: Power is measured in watts.

Q954. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin A
- (C) Vitamin K
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q955. The chemical formula of common salt is

- (A) CaCO_3
- (B) KCl
- (C) NaCl
- (D) Na_2CO_3

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q956. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) KCl
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q957. The chemical formula of common salt is

- (A) NaCl
- (B) Na_2CO_3
- (C) CaCO_3
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl .

Q958. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Boyle's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q959. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Newton's law
- (C) Hooke's law
- (D) Ohm's law

Answer: D

Explanation: Ohm's law gives $V = IR$.

Q960. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Hooke's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Newton's law

Answer: C

Explanation: Ohm's law gives $V = IR$.

Q961. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin C
- (C) Vitamin D
- (D) Vitamin A

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q962. The chemical formula of common salt is

- (A) NaCl
- (B) Na₂CO₃
- (C) CaCO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q963. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 14
- (C) 1
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q964. The chemical formula of common salt is

- (A) CaCO₃
- (B) Na₂CO₃
- (C) NaCl
- (D) KCl

Answer: C

Explanation: Common salt is sodium chloride, NaCl.

Q965. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s²
- (B) 98 m/s²
- (C) 9.8 m/s²
- (D) 0.98 m/s²

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q966. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 0
- (C) 14
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q967. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin C
- (C) Vitamin A
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q968. The unit of electric power is

- (A) ampere
- (B) watt
- (C) volt
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q969. Which particle has a negative electric charge?

- (A) proton
- (B) electron
- (C) neutron
- (D) alpha particle

Answer: B

Explanation: Electrons carry negative charge.

Q970. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin A
- (C) Vitamin D
- (D) Vitamin K

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q971. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 3.0 m/s^2
- (C) 0.98 m/s^2
- (D) 98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q972. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) proton
- (D) neutron

Answer: A

Explanation: Electrons carry negative charge.

Q973. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin A

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q974. Which particle has a negative electric charge?

- (A) electron
- (B) proton
- (C) neutron
- (D) alpha particle

Answer: A

Explanation: Electrons carry negative charge.

Q975. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) KCl
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q976. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q977. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 14
- (C) 1
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q978. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 7
- (C) 0
- (D) 14

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q979. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 1
- (C) 14
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q980. The unit of electric power is

- (A) volt
- (B) ampere
- (C) watt
- (D) ohm

Answer: C

Explanation: Power is measured in watts.

Q981. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Hooke's law
- (B) Ohm's law
- (C) Newton's law
- (D) Boyle's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q982. The unit of electric power is

- (A) ampere
- (B) watt
- (C) volt
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q983. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 0
- (C) 1
- (D) 14

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q984. The unit of electric power is

- (A) ampere
- (B) watt
- (C) volt
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q985. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Newton's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q986. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 m/s^2
- (C) 9.8 m/s^2
- (D) 98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q987. The chemical formula of common salt is

- (A) NaCl
- (B) KCl
- (C) CaCO_3
- (D) Na_2CO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl .

Q988. The unit of electric power is

- (A) volt
- (B) watt
- (C) ampere
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q989. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 14
- (C) 0
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q990. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 0
- (C) 1
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q991. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Hooke's law
- (C) Newton's law
- (D) Boyle's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q992. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 9.8 m/s^2
- (C) 98 m/s^2
- (D) 3.0 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q993. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 m/s^2
- (C) 9.8 m/s^2
- (D) 98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q994. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin K
- (D) Vitamin C

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q995. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin A
- (D) Vitamin C

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q996. The unit of electric power is

- (A) volt
- (B) ohm
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q997. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin A
- (D) Vitamin C

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q998. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Hooke's law
- (B) Ohm's law
- (C) Boyle's law
- (D) Newton's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q999. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 3.0 m/s^2
- (C) 9.8 m/s^2
- (D) 0.98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q1000. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 1
- (C) 0
- (D) 14

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

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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