Quantitative Aptitude MCQs (150 Questions)

12 Number System

1. The HCF of two numbers is 12 and their LCM is 180. If one number is 36, the other number is:
A) 48
B) 60
C) 72
D) 90
2. Find the smallest number which when divided by 8, 10 and 12 leaves a remainder 1 in each case.
A) 121
B) 241
C) 361
D) 481
3. If the sum of digits of a two-digit number is 10 and the difference of digits is 4, the number is:
A) 64
B) 46
C) 73
D) 82
4. How many prime numbers are there between 1 and 50?
A) 14
B) 15
C) 16
D) 17

5. The least number which must be added to 1056 to make it divisible by 23 is:A) 5B) 7

C) 9

D) 13

Simplification

6. $36 \div 6 \times (8 + 4) - 18 = ?$

A) 54

B) 60

C) 72

D) 90

7. $(125)^{2/3} = ?$

A) 5

B) 15

C) 25

D) 75

8. $7 + [6 \div (2 + 1)] \times 9 = ?$

A) 21

B) 23

C) 25

D) 27

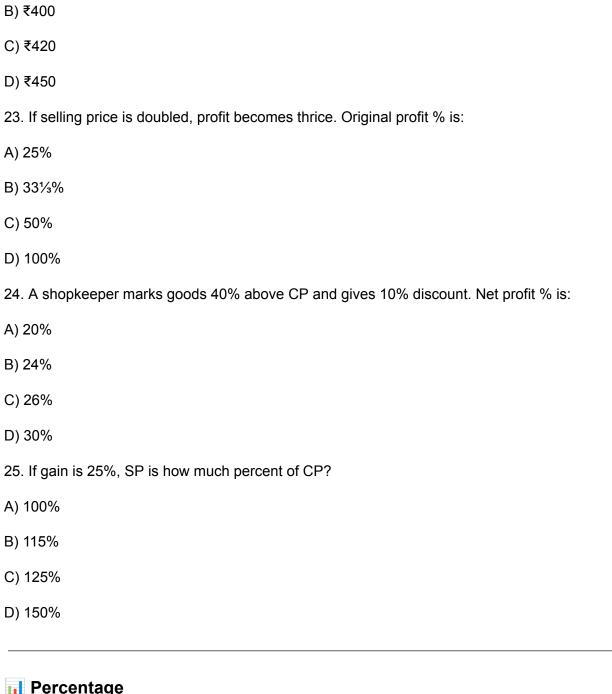
9. \sqrt{2025} ÷ 15 = ?

A) 2

B) 3
C) 4
D) 5
10. (0.25)^2 × 16 = ?
A) 1
B) 2
C) 4
D) 8
Time and Work
11. A can do a piece of work in 20 days and B in 30 days. In how many days will they complete it together?
A) 10
B) 12
C) 15
D) 18
12. A alone can do a work in 24 days. With B, it takes 16 days. B alone can do the work in:
A) 24 days
B) 32 days
C) 48 days
D) 96 days
13. If 12 men can do a work in 15 days, how many men are required to do it in 10 days?
A) 15
B) 18
C) 20

D) 24
14. A does 1/3 of work in 10 days. Remaining work will be done by B in 20 days. Total time taken is:
A) 20 days
B) 25 days
C) 30 days
D) 35 days
15. A and B together can do a work in 12 days. A alone can do it in 20 days. B alone can do it in:
A) 24
B) 30
C) 40
D) 60
Time, Speed & Distance 16. A train travels 360 km at a speed of 60 km/h. Time taken is:
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16. A train travels 360 km at a speed of 60 km/h. Time taken is: A) 4 h B) 5 h C) 6 h D) 7 h
16. A train travels 360 km at a speed of 60 km/h. Time taken is: A) 4 h B) 5 h C) 6 h D) 7 h 17. A man walks at 5 km/h and returns at 3 km/h. Average speed is:
16. A train travels 360 km at a speed of 60 km/h. Time taken is: A) 4 h B) 5 h C) 6 h D) 7 h 17. A man walks at 5 km/h and returns at 3 km/h. Average speed is: A) 3.75 km/h
16. A train travels 360 km at a speed of 60 km/h. Time taken is: A) 4 h B) 5 h C) 6 h D) 7 h 17. A man walks at 5 km/h and returns at 3 km/h. Average speed is: A) 3.75 km/h B) 4 km/h

18. Two trains run in opposite directions at 40 km/h and 60 km/h. Time to cross each other if their lengths are 100 m and 150 m is:
A) 8 sec
B) 9 sec
C) 10 sec
D) 12 sec
19. A car covers a distance in 6 hours at 60 km/h. How long will it take at 90 km/h?
A) 3 h
B) 4 h
C) 5 h
D) 6 h
20. A cyclist increases speed by 20%. Time taken is reduced by:
A) 10%
B) 16 ² / ₃ %
C) 20%
D) 25%
21. CP = ₹400, SP = ₹460. Profit % = ?
A) 10%
B) 12%
C) 15%
D) 20%
22. An article is sold at a loss of 20%. If CP is ₹500, SP is:
A) ₹380



Percentage

26. 25% of 320 = ?

- A) 60
- B) 70
- C) 80

D) 90
27. A number is increased by 20% and then decreased by 20%. Net change is:
A) 0%
B) 2% increase
C) 4% decrease
D) 5% decrease
28. If A is 20% more than B, then B is how much percent less than A?
A) 16 ² / ₃ %
B) 18%
C) 20%
D) 25%
29. 60% of a number is 180. The number is:
A) 240
B) 270
C) 300
D) 320
30. If price increases by 10%, consumption must be reduced by:
A) 9□%
B) 10%
C) 11%
D) 12%

Ratio and Proportion

31. Ratio of A to B is 3:5. If B = 40, A = ?

A) 24
B) 30
C) 32
D) 36
32. Divide ₹720 in the ratio 5:7. Smaller share is:
A) ₹300
B) ₹320
C) ₹350
D) ₹420
33. If a:b = 4:5 and b:c = 6:7, then a:c = ?
A) 12:35
B) 24:35
C) 30:28
D) 20:21
34. Ratio of ages of A and B is 5:7. After 6 years it becomes 7:9. Present age of A is:
A) 10
B) 15
C) 20
D) 25
35. If x:y = 2:3 and y:z = 4:5, then x:y:z = ?
A) 8:12:15
B) 6:9:10
C) 8:10:15
D) 4:6:5

Simple & Compound Interest

36. SI on ₹2000 at 10% p.a. for 2 years is:
A) ₹300
B) ₹400
C) ₹500
D) ₹600
37. CI on ₹1000 at 10% for 2 years is:
A) ₹200
B) ₹210
C) ₹220
D) ₹230
38. Difference between CI and SI for 2 years at 10% on ₹1000 is:
A) ₹5
B) ₹10
C) ₹15
D) ₹20
39. Amount after 3 years at 10% CI on ₹1000 is:
A) ₹1300
B) ₹1320
C) ₹1331
D) ₹1350
40. If SI = ₹600, P = ₹2000, T = 3 years, rate is:
A) 5%

B) 8%
C) 10%
D) 12%
✓ Data Interpretation (DI – Mixed)
41. If total students = 500 and 40% are girls, number of boys is:
A) 200
B) 250
C) 300
D) 350
42. If income increases from ₹20,000 to ₹25,000, % increase is:
A) 20%
B) 22%
C) 25%
D) 30%
43. Average of 5 numbers is 24. Sum is:
A) 110
B) 115
C) 120
D) 125
44. If mean of 10 observations is 15, total is:
A) 140
B) 145
C) 150

- D) 155
- 45. If expenditure is 80% of income ₹10,000, savings is:
- A) ₹1500
- B) ₹1800
- C) ₹2000
- D) ₹2500

Answer Key (1–45)

- 1. B
- 2. B
- 3. B
- 4. C
- 5. C
- 6. C
- 7. C
- 8. B
- 9. D
- 10. A
- 11. B

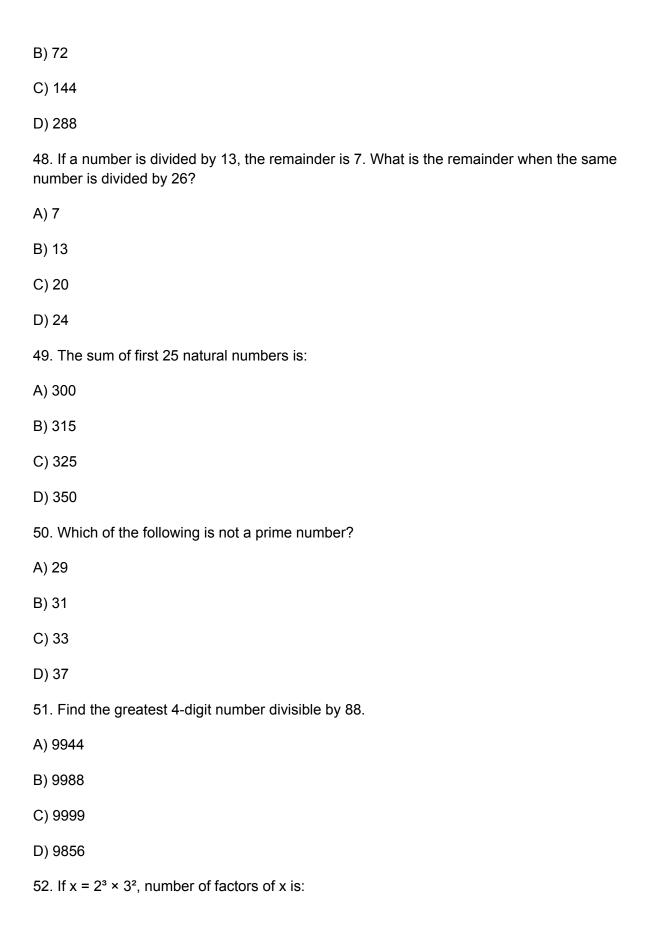
- 12. B
- 13. C
- 14. B
- 15. C
- 16. C
- 17. B
- 18. C
- 19. B
- 20. B
- 21. C
- 22. B
- 23. B
- 24. B
- 25. C
- 26. C
- 27. C
- 28. A
- 29. A
- 30. A
- 31. A
- 32. B
- 33. B

- 34. B
- 35. A
- 36. B
- 37. B
- 38. B
- 39. C
- 40. C
- 41. C
- 42. C
- 43. C
- 44. C
- 45. C

Quantitative Aptitude MCQs (46–150)

Number System (46–60)

- 46. The product of two numbers is 1800 and their HCF is 30. Their LCM is:
- A) 60
- B) 90
- C) 120
- D) 150
- 47. Find the smallest number divisible by 12, 18 and 24.
- A) 48



A) 6
B) 8
C) 12
D) 18
53. The smallest number which when divided by 6, 8, 12 leaves remainder 5 is:
A) 53
B) 101
C) 149
D) 173
54. Find the unit digit of 7 ⁵³ .
A) 1
B) 3
C) 7
D) 9
55. The HCF of 306 and 657 is:
A) 9
B) 18
C) 27
D) 36

♦ Simplification (56–70)

56. 18 ÷ 3 × 6 + 4 = ?

- A) 30
- B) 36

- C) 40
- D) 42
- $57. \sqrt{1296} + \sqrt{196} = ?$
- A) 48
- B) 50
- C) 52
- D) 54
- 58. (16)^{3/4} = ?
- A) 4
- B) 6
- C) 8
- D) 16
- 59. $0.2 \times 0.04 \div 0.008 = ?$
- A) 1
- B) 2
- C) 4
- D) 10
- A) 96
- B) 104
- C) 108
- D) 120

Time and Work (61–80)

C) 24
D) 30
Time, Speed & Distance (81–100)
66. A man covers 120 km at 40 km/h and returns at 60 km/h. Average speed is:
A) 48
B) 50
C) 52
D) 55
67. A train 150 m long passes a pole in 15 sec. Speed is:
A) 30 km/h
B) 36 km/h
C) 40 km/h
D) 54 km/h
68. Two trains 120 m and 180 m long cross each other in 12 sec in opposite directions. Combined speed is:
A) 72 km/h
B) 90 km/h
C) 108 km/h
D) 120 km/h

69. Speed of boat in still water is 10 km/h. Stream speed is 2 km/h. Downstream speed is:

8 (A

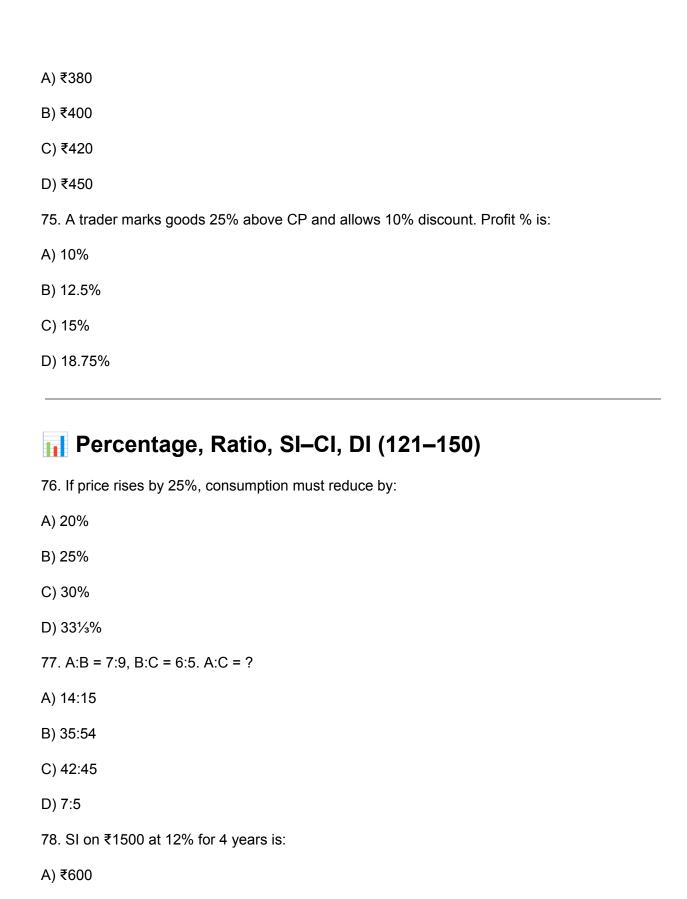
B) 10

C) 12

- D) 14
- 70. A person covers equal distances at speeds x and y. Average speed is:
- A) (x + y)/2
- B) xy
- C) 2xy/(x + y)
- D) √xy

Profit & Loss (101–120)

- 71. CP = ₹800, gain = 15%. SP is:
- A) ₹900
- B) ₹920
- C) ₹940
- D) ₹960
- 72. Loss of 10% when SP is ₹450. CP is:
- A) ₹480
- B) ₹500
- C) ₹520
- D) ₹550
- 73. If CP:SP = 5:6, profit % is:
- A) 15%
- B) 20%
- C) 25%
- D) 30%
- 74. Discount of 20% on marked price ₹500. SP is:



B) ₹720

C) ₹800
D) ₹900
79. CI on ₹1000 for 1 year at 10% compounded half-yearly is:
A) ₹100
B) ₹102.5
C) ₹105
D) ₹110
80. If average of 8 numbers is 25 and one number is removed, new average becomes 24. Removed number is:
A) 30
B) 31
C) 32
D) 33

FINAL ANSWER KEY (46–80)

46. E	3
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47. C

48. A

49. B

50. C

51. B

52. C

53. B

E 1	\sim
3 4	C

55. C

56. B

57. C

58. A

59. B

60. C

61. B

62. C

63. B

64. C

65. C

66. B

67. B

68. C

69. C

70. C

71. B

72. B

73. B

74. B

75. D

76.	Α
77.	В
78.	В

79. B

80. C

A) 1 km/h

B) 2 km/h

Quantitative Aptitude MCQs (81–150)

Time, Speed & Distance (81-95)

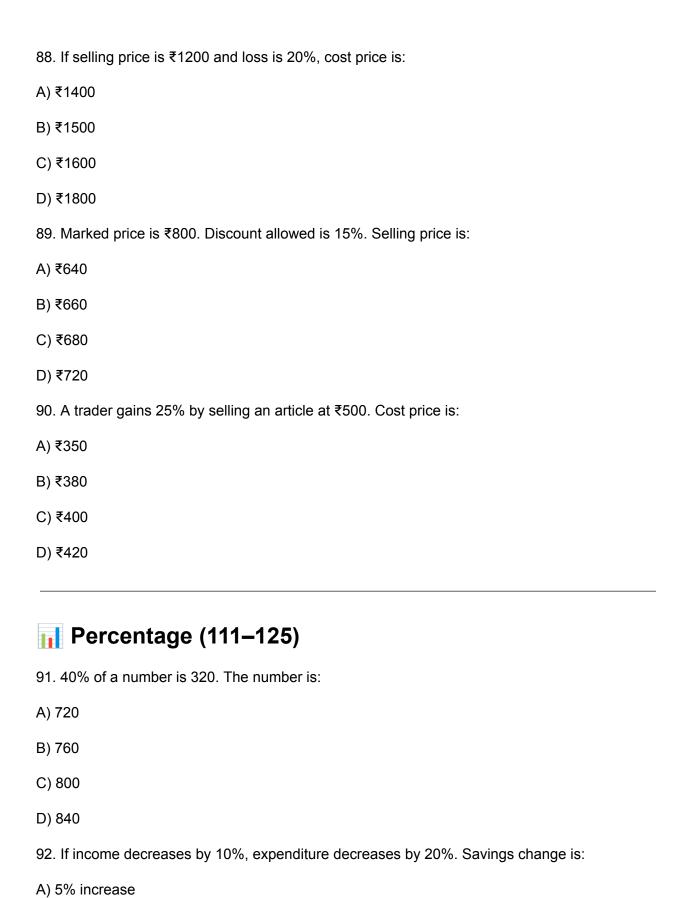
I line, Speed & Distance (61–35)
81. A train running at 54 km/h crosses a platform 240 m long in 24 sec. Length of train is:
A) 120 m
B) 150 m
C) 180 m
D) 200 m
82. Two persons start walking from the same point in opposite directions at 5 km/h and 7 km/h Distance between them after 2 hours is:
A) 20 km
B) 22 km
C) 24 km
D) 26 km
83. A boat takes 6 hours to go upstream and 4 hours downstream. Speed of stream is:

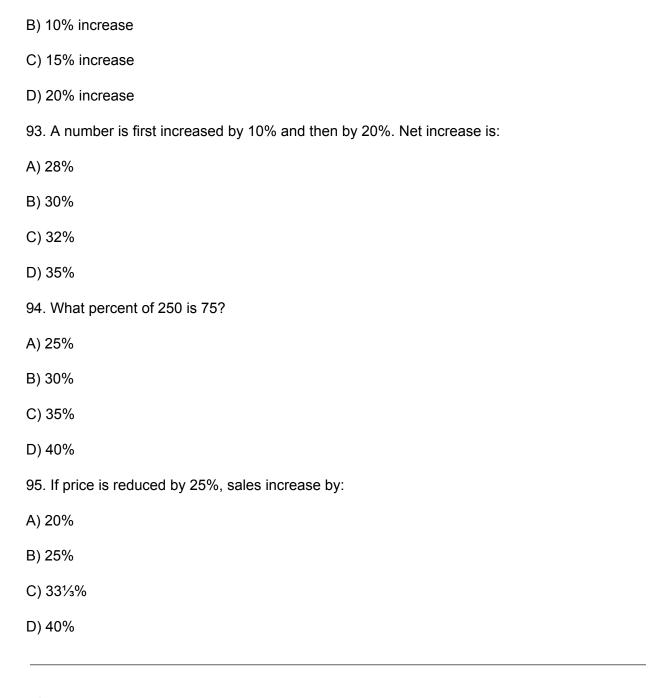
C) 3 km/h
D) 4 km/h
84. A man covers 3/5 of distance at 30 km/h and remaining at 20 km/h. Average speed is:
A) 24 km/h
B) 25 km/h
C) 26 km/h
D) 27 km/h
85. A cyclist covers a distance in 10 hours. If speed is increased by 25%, time taken is:
A) 6 h
B) 7 h
C) 8 h
D) 9 h

Profit and Loss (96–110)

86. A man sells an artic	de at 20% b	orofit. If (JP IS	₹500.⊸	SP	IS:
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- A) ₹550
- B) ₹580
- C) ₹600
- D) ₹620
- 87. A shopkeeper sells an article at a loss of 10%. If SP is ₹360, CP is:
- A) ₹380
- B) ₹390
- C) ₹400
- D) ₹420

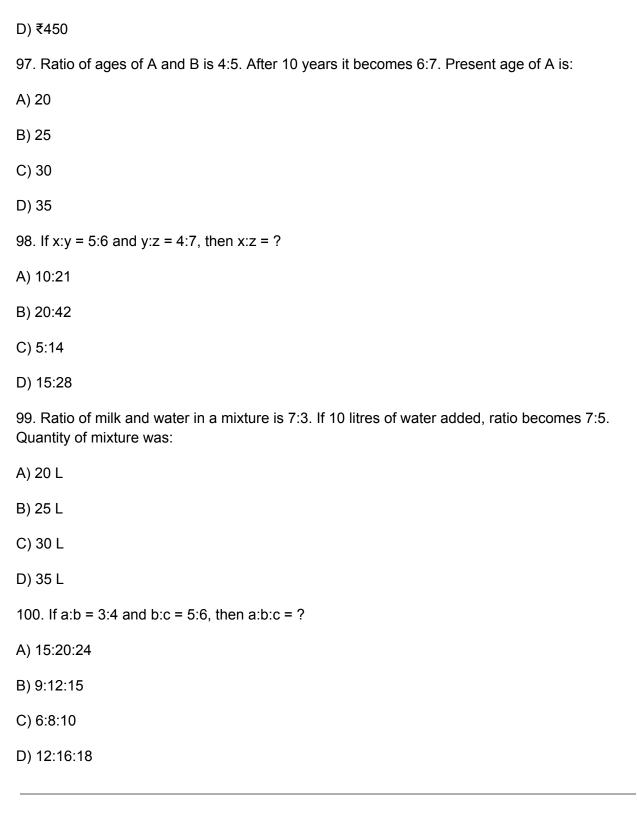




Ratio and Proportion (126–140)

96. Divide ₹900 in ratio 2:3:4. Largest share is:

- A) ₹300
- B) ₹350
- C) ₹400



Simple & Compound Interest + DI (141–150)

101. Simple interest on ₹2400 at 10% p.a. for 3 years is:
A) ₹600
B) ₹720
C) ₹800
D) ₹840
102. Compound interest on ₹2000 at 10% p.a. for 2 years is:
A) ₹400
B) ₹410
C) ₹420
D) ₹440
103. Difference between CI and SI on ₹1000 at 10% for 2 years is:
A) ₹5
B) ₹10
C) ₹15
D) ₹20
104. If average of 12 numbers is 18, sum is:
A) 196
B) 204
C) 216
D) 228
105. The mean of first 10 natural numbers is:
A) 5
B) 5.5
C) 6

FINAL ANSWER KEY (81–150)

- 81. C
- 82. C
- 83. B
- 84. C
- 85. C
- 86. C
- 87. C
- 88. B
- 89. C
- 90. C
- 91. C
- 92. B
- 93. A
- 94. B
- 95. C
- 96. C
- 97. C
- 98. A

- 99. C
- 100. A
- 101. B
- 102. B
- 103. A
- 104. C
- 105. B

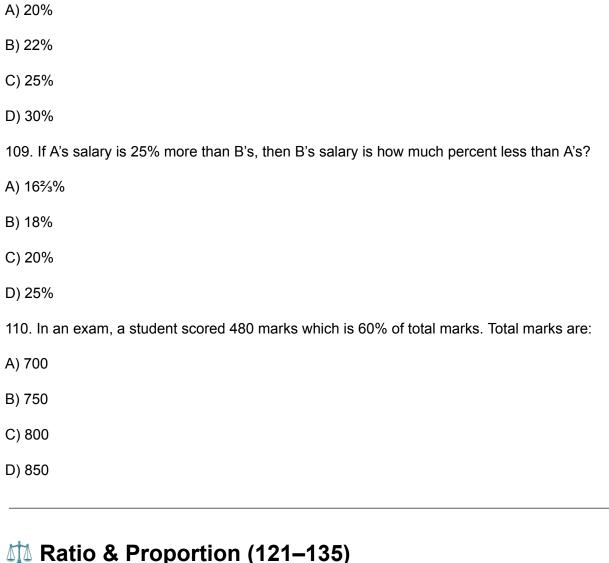


Quantitative Aptitude MCQs (106–150)

Ⅲ Percentage (106–120)

106. If 35% of a number is 280, the number is:

- A) 720
- B) 760
- C) 800
- D) 840
- 107. A salary is increased by 15% and then decreased by 10%. Net change is:
- A) 3.5% increase
- B) 4% increase
- C) 5% increase
- D) No change
- 108. The price of an article is reduced by 20%. By what percent should the new price be increased to restore original price?



Ratio & Proportion (121–135)

111. Divide ₹1260 among A, B, C in the ratio 2:3:4. Share of B is:

- A) ₹360
- B) ₹378
- C) ₹420
- D) ₹450
- 112. If x:y = 7:11 and y:z = 5:9, then x:z = ?
- A) 35:99
- B) 45:77

Simple & Compound Interest (136–145)
D) 49
C) 42
B) 35
A) 28
115. The ratio of ages of father and son is 7:2. After 10 years, it becomes 9:4. Present age of father is:
D) 3:7:15
C) 6:21:30
B) 3:14:15
A) 6:14:15
114. If a:b = 3:7 and b:c = 14:15, then a:b:c = ?
D) 40
C) 36
B) 34
A) 32
113. The ratio of boys and girls in a class is 5:4. If there are 45 boys, number of girls is:
D) 77:63
C) 63:99

136. Simple interest on ₹3000 at 8% p.a. for 5 years is:

- A) ₹1000
- B) ₹1100
- C) ₹1200

✓ Data Interpretation / Average (146–150)

146. The average age of 10 students is 20 years. If the teacher's age is included, the average becomes 22 years. Teacher's age is:
A) 38
B) 40
C) 42
D) 44
147. Average of 6 numbers is 15. If one number is replaced by 21, average becomes 16. The replaced number was:
A) 9
B) 10
C) 11
D) 12
148. The mean of 7 observations is 18. If one observation is 25, sum of remaining observations is:
A) 95
B) 101
C) 110
D) 126
149. Monthly expenditure of a man is 75% of income. If his income is ₹20,000, his savings are:
A) ₹4000
B) ₹4500
C) ₹5000
D) ₹6000
150. The average of first 20 natural numbers is:
A) 9.5
B) 10

D) 11

FINAL ANSWER KEY (106-150)

106. C

107. A

108. C

109. A

110. C

111. C

112. A

113. C

114. A

115. C

116. C

117. B

118. B

119. C

120. B

121. C

122. A

- 123. B
- 124. C
- 125. C

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