1. The LCM of 2/9, 4/15 & 1/30 is how many times the HCF of 7/15, 21/40 & 14/15?
   1. 160/7
   2. 7/160
   3. 120/7
   4. 90/7

2. 0.0874 + 1.236 - 0.0012 + ? = 1.489
   1. 0.1568
   2. 0.1578
   3. -0.1668
   4. 0.1658

3. 30% of 300 - 40% of 400 + 50% of 500 = ?
   1. 1800
   2. 180
   3. 18
   4. 18000

4. If 243 x 162 = 39366, then 3936.600 ÷ 0.243 = ?
   1. 1620
   2. 16200
   3. 162
   4. 162000

5. 114.01 + 222.01 + ? = 400
   1. 63.98
   2. 43.78
   3. 736.02
   4. -53.98

6. The difference between the circumference and the radius of a circle is 37 cm (use p = 22 / 7). The diameter of the circle is
   1. 7 cm
   2. 14 cm
   3. 33 cm
   4. 37 cm

7. The LCM of two multiples of 12 is 1056. If one of the numbers is 132, the other number should be
   1. 12
   2. 72
   3. 96
   4. Data inadequate

8. The average of seven results is 5; the average of first three is 3, and that of the last three is 7. The fourth result is
   1. 6
   2. 5
   3. 4
   4. 3

9. A man walking at the speed of 4 kmph crosses a square field diagonally in 3 minutes. The area of the field is
   1. 20000 sq m
   2. 25000 sq m
   3. 18000 sq m
   4. 19000 sq m

10. The area of a rectangular field is 144 sq m. If the length is increased by 5 m, its area increases by 40 sq m. The length of the field is
1. 12 m
2. 14.4 m
3. 16 m
4. 18 m

11. A, B and C are partners and make a profit of Rs. 4800 which is distributed among them in the ratio 6:5:4. The difference of the amounts A and C received is
1. Rs. 640
2. Rs. 1290
3. Rs. 1280
4. Rs. 1600

12. A, B, & C enter into a partnership with investments in the ratio 3:4:9. If at the end of the year, B's share of profit is Rs. 6175, what is the total profit?
1. Rs. 24300
2. Rs. 24600
3. Rs. 24700
4. Rs. 24100

13. X and Y enter into a partnership. X contributes Rs. 8000 and Y contributes Rs. 10000. At the end of six months they introduce Z, who contributes Rs. 6000. After the lapse of three years, they find that the firm has made a profit of Rs. 9660. Find the share of each.(in Rs.)
1. X-3240, Y-4200, Z-2200
2. X-3360, Y-4400, Z-2100
3. X-3360, Y-4200, Z-2100
4. 3260, Y-4000, Z-2200

14. Umedh Singh and Zorawar Singh invested in a business. They earned some profit which they divided in the ratio 2:3. If Umedh Singh invested Rs. 24, the amount invested by Zorawar Singh was
1. Rs. 36
2. Rs. 16
3. Rs. 30
4. Rs. 48

15. Abdul and Aamir invest respectively Rs. 30000 and Rs. 40000 in a business. Abdul receives Rs. 100 per month out of the profit for running the business and the rest of the profit is divided in proportion to the investments. If in a year Abdul totally receives Rs. 3900, what does Aamir receive?
1. Rs. 3500 2. Rs. 3600
3. Rs. 3900
4. Rs. 4200

16. 7 women and 6 men can do what 4 men and 11 women can do in the same time. 19 women can do the same job in how much time?
1. Same
2. Half
3. One-third
4. Two-third

17. If A can walk a certain distance in 40 days when he takes rest 9 hours each day; how much long will he take to walk the same distance twice as fast and rest twice as long each day?

1. 50 days
2. 45 days
3. 38 days
4. 16 days

18. If 20 men or 25 women or 30 boys can do a piece of work in 16 days by working 10 hours a day, then how many men with 10 women and 18 boys can do 3 ¼ times the same work in 26 days by working 8 hours daily?
1. 35 men
2. 30 men
3. 40 men
4. 48 men

19. Some persons can do a job in 12 days. Two times the number of those persons will do half of that job in
1. 6 days
2. 4 days
3. 12 days
4. 3 days

20. 400 men working 9 hrs a day complete ¼ th of the work in 10 days. The number of additional men, working 8 hrs a day, required to done the remaining work in 20 days is
1. 675
2. 275
3. 250
4. 225

21. 25% of 240 will be how much more than 33.33% of 180?
1. 5
2. 10
3. 6
4. Nil

22. 350% of a number is what percent of 250% of that number?
1. 40%
2. 44%
3. 140%
4. 71%

23. If the length of a rectangle is increased by 20% and the width decreased by 20%, the area of the rectangle will
1. Decrease by 4%
2. Increase by 4%
3. Decrease by 1%
4. Not change at all

24. A shopkeeper increases the price of a commodity by 25% and again increases it by 20%. The net percent increase is
1. 45%
2. 40%
3. 50%
4. 47%

25. The cost of a pant is 60% of the cost of a coat and 300% of the cost of a shirt. If all three cost Rs. 2160, the cost of the shirt will be
1. Rs. 290
2. Rs. 280

3. Rs. 360
4. Rs. 240

26. If sold for Rs. 247.50, an object gives a profit of 12.5%. The cost price is
1. Rs. 210
2. Rs. 220
3. Rs. 224
4. Rs. 225

27. A fruit seller purchases oranges at the rate of 3 for Rs. 5 and sells them at 2 for Rs. 4. His profit in the transaction is
1. 20%
2. 25%
3. 15%
4. 10%

28. A merchant sold his goods for Rs. 75 at a profit percent equal to the cost price. His cost price is
1. Rs. 50
2. Rs. 60
3. Rs. 80
4. Rs. 100

29. A man buys an article at ¾ th of its value and sells it for 20% more than its value. His profit based on the cost is
1. 45%
2. 50%
3. 60%
4. 75%

30. The LCM of numbers 12, 18, & 24 is how much more than their HCF?
1. 66
2. 69
3. 70
4. 72

31. Find the minimum number of square tiles of equal size for the floor of a room which is 1 m 4 dm 7 cm long and 1 m 8 dm 2 cm wide.
1. 250
2. 266
3. 140
4. 145

32. The average of first five prime numbers is
1. 5.40
2. 5.70
3. 5.60
4. 5.80

33. The average weight of 8 men is increased by 1.5 kg when one of them who weighs 65 kg is replaced by a new man. The weight of the new man is
1. 76 kg
2. 76.5 kg
3. 76.7 kg
4. 77 kg

34. A man distributed Rs. 100 equally among his friends. If there had been five more friends, each would have received one rupee less. How many friends did he have?

1. 20
2. 30
3. 40
4. 50

35. In an exam, the average was found to be 50 marks. After detecting computer errors, the marks of 100 candidates had to be changed from 90 to 60 each and the average came down to 45. The total number of candidates who took the exam was
1. 600
2. 700
3. 500
4. 400

Answers
1. 15221 **6.** 23214 **11.** 13312 **16.** 11242 **21.** 43134 **26.** 21131 **31.** 53411

Directions (51-75): What should come in place of question mark (?) in the following questions ?

51. 832.456-539.982-123.321=?

(1) 196.153

(2) 149.153

(3) 169.153

(4) 176.135

(5) None of these

52. ? x 19 = 7828

(1) 411

(2) 412

(3) 413

(4) 414

(5) 415

53. 236.69+356.74 = 393.39 + ?

(1) 200.04

(2) 201.04

(3) 200.14

(4) 202.14

(5) 203.04

54. 734 / ? = 91.75

(1) 8

(2) 6

(3) 4

(4) 10

(5) None of these

55. x (35 x 15 x 10) / (25 x 2) = ?

(1) 105

(2) 115

(3) 70

(4) 35

(5) None of these

56. 5938+4456+2891 = ?

(1) 15255

(2) 14285

(3) 13285

(4) 12385

(5) None of these

57. 859.05 + 428.89+663.17=?

(1) 1585.91

(2) 1286.94

(3) 1950.02

(4) 1950.11

(5) 1951.01

58. 434 x 645=?

(1) 27840

(2) 297930

(3) 279903

(4) 279930

(5) None of these

59. 7 x ? =29.05

(1) 4.05

(2) 4.15

(3) 3.95

(4) 4.28

(5) None of these

60. 725 / 25 - 13 = ?

(1) 16

(2) 29

(3) 12

(4) 18

(5) None of these

61. (558 x 45) / (18 x 45) = ?

(1) 314

(2) 313

(3) 312

(4) 311

(5) None of these

62. 806 / 26 =?

(1) 30

(2) 32

(3) 34

(4) 36

(5) None of these

63. 559 + 995 = ? x 16

(1) 92.05

(2) 95.25

(3) 93.15

(4) 94.35

(5) None of these

64. ((337 +146) x 8)=?

(1) 3884

(2) 1515

(3) 3864

(4) 1505

(5) 3846

65. $7\frac{3}{4} + 5\frac{1}{4} + 8\frac{1}{2} =?$

(1) $20\frac{1}{4}$

(2) $21\frac{1}{2}$

(3) $21\frac{3}{4}$

(4) $21\frac{3}{4}$

(5) $20\frac{3}{4}$

66. 4758-2782-1430=?

(1) 356

(2) 396

(3) 486

(4) 546

(5) None of these

67. 9.1 x 7.5 x 6.2 =?

(1) 423.25

(2) 68.25

(3) 593.775

(4) 472.5

(5) None of these

68. $\sqrt{441} + \sqrt{676} =?$

(1) 43

(2) 45

(3) 47

(4) 49

(5) 51

69. $49 + \sqrt{?} = 87$

(1) 1444

(2) 1442

(3) 1448

(4) 1456

(5) 1460

70. $\frac{(8)^2+164+4}{14} =?$

(1) 25

(2) 64

(3) 8

(4) 7.5

(5) None of these

71. 248 of $\frac{7}{8}$+110 of 20% = ?

(1) 192

(2) 202

(3) 212

(4) 239

(5) 242

72. $\frac{2}{5} + \frac{10}{13} + \frac{7}{13} =$?

(1) $2\frac{23}{65}$

(2) $1\frac{46}{65}$

(3) $2\frac{10}{13}$

(4) $\frac{46}{65}$

(5) $1\frac{10}{13}$

73. $\sqrt{?} - 17 = 22$

(1) 1511

(2) 1531

(3) 1515

(4) 1553

(5) 1521

74. 484 of $\frac{3}{4}$+ 366 of $\frac{5}{6}$= ?

(1) 663

(2) 844

(3) 668

(4) 848

(5) 666

75. 280% of 460 =?

(1) 1188

(2) 1284

(3) 1288

(4) 1280

(5) None of these

76. Which of the following is equal to 30 x 246?

(1) 118 x 13+209 x 42

(2) 174 x 10+222 x 19

(3) 173 x 12+221 x 24

(4) 169 x 16+167 x 50

(5) None of these

77. The cost of 9 kgs. of sugar is Rs. 279. What is the cost of 153 kgs. of sugar?

(1) Rs. 3.377

(2) Rs. 4.473

(3) Rs. 4.377

(4) Rs. 4.743

(5) Rs. 4.347

78. A bus travels at the speed of 49 kmph. and reaches its destination in 7 hours. What is the distance covered by the bus?

(1) 343 km

(2) 283 km

(3) 353 km

(4) 245 km

(5) 340 km

79. $\frac{1}{4}$th of $\frac{2}{5}$th of a number is 82. What is the number?

(1) 410

(2) 820

(3) 420

(4) 220

(5) None of these

80. What is the least number to be added to 1500 to make it a perfect square?

(1) 20

(2) 21

(3) 22

(4) 23

(5) None of these

81. The sum of three consecutive integers is 39. Which of the following is the largest among the three?

(1) 12

(2) 15

(3) 13

(4) 16

(5) None of these

82. Find the average of the following set of scores:

118, 186, 138, 204, 175, 229

(1) 148

(2) 152

(3) 156

(4) 160

(5) 175

83. A banana costs Rs. 2.25 and an apple costs Rs. 3.00. What will be the total cost of 4 dozen of bananas and 3 dozen of apples?

(1) Rs. 216

(2) Rs. 108

(3) Rs. 189

(4) Rs. 225

(5) Rs. 162

84. How many pieces of 8.6 metres long cloth can be cut out of a length of 455.8 metres cloth?

(1) 43

(2) 48

(3) 55

(4) 53

(5) 62

85. The product of two successive numbers is 3192. What is the smallest number?

(1) 59

(2) 58

(3) 57

(4) 56

(5) None of these

86. What is 184 times 156?

(1) 28704

(2) 29704

(3) 30604

(4) 27604

(5) None of these

87. What approximate value should come in place of the question mark (?) in the following question?

5989 ÷ 48 11=?

(1) 1375

(2) 1370

(3) 1372

(4) 1368

(5) 1365

88. If an amount of Rs. 15,487 is divided equally among 76 students, approximately how much amount will each student get?

(1) Rs. 206

(2) Rs. 210

(3) Rs. 204

(4) Rs. 218

(5) Rs. 212

89. What should come in place of the question mark (?) in the following number series?

6417 5704 4991 4278 3565 2852 ?

(1) 2408

(2) 2426

(3) 7310

(4) 7130

(5) 2139

90. Rinku and Pooja started a business initially with Rs. 5,100 and Rs. 6,600 respectively. If the total profit is Rs. 2.730 what is Rinku's share in the profit?

(1) Rs. 1,530

(2) Rs. 1,540

(3) Rs. 1,200

(4) Rs. 1,180

(5) None of these

91. 25% of the total cost of a plot of area 280 sq. feet is Rs. 1,32,370. What is the rate per sq. ft. of the plot?

(1) Rs. 2,091

(2) Rs. 1,981

(3) Rs. 1,991

(4) Rs. 1,891

(5) None of these

92. If the difference between a number and one fifth of it is 84, what is the number?

(1) 95

(2) 100

(3) 105

(4) 108

(5) 112

93. The respective ratio of the ages of Richa and Shelly is 5: 8. The ratio of their ages 10 years hence would be 7: 10 respectively. What is the present age of Shelly?

(1) 45 years

(2) 40 years

(3) 35 years

(4) 30 years

(5) 25 years

94. A student scores 64% marks in 6 papers of 150 marks each. He scores 25% of his total obtained marks in Hindi and English together. How much is his total score for both these papers?

(1) 120

(2) 124

(3) 140

(4) 144

(5) 150

95. When the original price of toy was increased by 25%, the price of one dozen toys was Rs. 300. What was the original price of one toy?

(1) Rs. 24

(2) Rs. 29

(3) Rs. 30

(4) Rs. 15

(5) Rs. 20

96. If $3x + 5y = 44$ and $10x - 2y = 16$, what is the value of x?

(1) 7

(2) 3

(3) 5.5

(4) 6.5

(5) None of these

97. 15 persons complete a job in 3 days. How many days will 10 persons take to complete the same job?

(1) 2

(2) 5

(3) $2\frac{2}{3}$

(4) $3\frac{1}{4}$

(5) $4\frac{1}{2}$

98. The owner of an electronics shop charges his customer 25% more than the cost price. If a customer paid Rs. 11,500 for a television set, then what was the cost price of the television set?

(1) Rs. 9,200

(2) Rs. 7,200

(3) Rs. 8,600

(4) Rs. 9,800

(5) Rs. 10,000

99. Sumit obtained a total of 1012 marks out of 1150 in an examination. What is his percentage in the examination?

(1) 86

(2) 88

(3) 84

(4) 90

(5) None of these

100. What should replace both the question marks in the following equation?

$\frac{?}{84} = \frac{189}{?}$

(1) 126

(2) 124

(3) 130

(4) 132

(5) 136

ANSWERS

51. (3), 52. (2), 53. (1), 54. (1), 55. (1), 56. (3), 57. (4), 58. (4), 59. (2), 60. (1)
61. (5), 62. (5), 63. (2), 64. (3), 65. (2), 66. (4), 67. (1), 68. (3), 69. (1), 70. (4)

71. (4), 72. (2), 73. (5), 74. (3), 75. (3), 76. (3), 77. (4), 78. (1), 79. (2), 80. (2)
81. (5), 82. (5), 83. (1), 84. (4), 85. (4), 86. (1), 87. (3), 88. (3), 89. (5), 90. (5)
91. (4), 92. (3), 93. (2), 94. (4), 95. (5), 96. (2), 97. (5), 98. (1), 99. (2), 100. (1)