50 Important Aptitude Problems

1) What is the difference in the place value of 5 in the numeral 754853?

1. 49500
2. 49950
3. 45000
4. 49940

2) What should be added to 1459 so that it is exactly divisible by 12?

1. 4
2. 3
3. 5
4. 6

3) If the number 467X4 is divisible by 9, find the value of the digit marked as X.

1. 4
2. 5
3. 6
4. 7

4) 7X2 is a three digit number and X is the missing digit. If the number is divisible by 6, the missing digit is

1. 4
2. 3
3. 2
4. 5

5) What smallest number should be subtracted from 9805 so that it is divisible by 8?

1. 3
2. 4
3. 5
4. 7

6) Which of the following numbers is divisible by 9?

1. 67578
2. 56785
3. 45678
4. 65889

7) If (2p + 1) is a prime number, which one of the following digits could be the value of p?

1. 3
2. 4
3. 5
4. 6

8) Find the number of three-digit numbers which are divisible by 6.

1. 150
2. 130
3. 120
4. 110

9) What is the sum of first 35 natural numbers?

1. 610
2. 630
3. 645
4. 660

10) Given that 1+2+3+.. +9 = 45, find the value of (11+12+13+..+19).

1. 125
2. 130
3. 135
4. 140

11) A running man crosses a bridge of length 500 meters in 4 minutes. At what speed he is running?

1. 8.5 km/hr
2. 7.5 km/hr
3. 9.5 km/hr
4. 6.5 km/hr

12) A car running at a speed of 140 km/hr reached its destination in 2 hours. If the car wants to reach at its destination in 1 hour, at what speed it needs to travel?

1. 300 km/hr
2. 280 km/hr
3. 250 km/hr
4. 240 km/hr

13) A jogger is running at a speed of 15 km/hr. In what time he will cross a track of length 400 meters?

1. 96 sec
2. 100 sec
3. 104 sec
4. 110 sec

14) A horse covers a distance of 1500 meters in 1 minute 20 seconds. At what speed the horse is running?

1. 67.2 km/hr
2. 67.7 km/hr
3. 67. 5 km/hr
4. 67.9 km/hr

15) A cyclist moving at a speed of 20 km/hr crosses a bridge in 2 minutes. What is the length of the bridge?

1. 555.5 m
2. 444.4 m
3. 777.7 m
4. 666.6 m

16) Two boys start running at the same time in the same direction at a speed of 10 km/hr and 12 km/hr respectively. In what time they will be 8 km apart?

1. 3 hours
2. 4 hours
3. 5 hours
4. 6 hours

17) A man walking at a speed of 8 km/hr covers a certain distance in 1 hour 45 minutes. If he runs at a speed of 10 km/hr, in what time he will cover the same distance?

1. 74 minutes
2. 70 minutes
3. 80 minutes
4. 84 minutes

18) A horse covers a certain distance in 40 minutes if it runs at a speed of 60 km/hr. At what speed the horse can cover the same distance in 30 minutes?

1. 80 km/hr
2. 82 km/hr
3. 84 km/hr
4. 86 km/hr

19) A car moving at a speed of 75 km/hr covers certain distance in 2 hours. If its speed is reduced by 15 km/hr, in what time it will cover the same distance?

1. 135 minutes
2. 140 minutes
3. 150 minutes
4. 155 minutes

20) At his usual speed a cyclist covers a certain distance in 8 hours. When the speed of cycle is increased by 4 km/hr the same distance can be covered in 6 hours. Find the distance.

1. 92 km
2. 94 km
3. 96 km
4. 98 km

21) Worker A completes a task in 8 days, and worker B completes the same task in 10 days. If both A and B work together, in how many days they will complete the task?

1. days.
2. days.
3. days.
4. days.

22) Vikas and Mohan working together can complete a work in 6 days. If Vikas alone completes the same work in 10 days, in how many days Mohan alone can complete the same work?

1. 13 days
2. 14 days
3. 15 days
4. 16 days

23) A can do a work in 10 days and B can do the same work in 15 days. If they start working together but stop working after four days, find the fraction of the work that is left.

1. 1/3
2. 2/3
3. 4/7
4. 1/2

24) Peter is twice as good as workman as Tom. When they work together they can finish a task in 16 days. If Tom works alone, in many days he will complete the task?

1. 46 days
2. 48 days
3. 50 days
4. 52 days

25) A can do a job in 12 days and B can do the same job in 10 days. With the help of C they can do the same job in 4 days. In how many days C alone can do this job?

1. 15 days
2. 14 days
3. 13 days
4. 12 days

26) A, B, C can do a job in 10, 20 and 40 days respectively. In how many days A can complete the job if he is assisted by B and C on every third day?

1. 8 days
2. 7 days
3. 9 days
4. 6 days

27) If 5 men can colour 50-meter long cloth in 5 days, in many days 4 men can color a 40-meter long cloth?

1. 5 days
2. 6 days
3. 4 days
4. 3 days

28) If 4 men can finish 4 times of a work in 4 days, in how many days 6 men can finish the 6 times of same work ?

1. 3 days
2. 4 days
3. 5 days
4. 6 days

29) A can do a piece of work in 10 days. B is 50% more efficient than A. In how many days B alone can do the same job?

1. 6.2 days
2. 6.6 days
3. 7 days
4. 7.2 days

30) A can do a job in 30 days. B alone can do the same job in 20 days. If A starts the work and joined by B after 10 days, in how many days the job will be done?

1. 15 days
2. 16 days
3. 17 days
4. 18 days

31) What is the HCF of 1095 and 1168?

1. 37
2. 73
3. 43
4. 83

32) Find the HCF of 210, 385, and 735.

1. 7
2. 14
3. 21
4. 35

33) The HCF of $\frac{2}{3}, \frac{8}{9}, \frac{64}{81}$, and $\frac{10}{27}$ is:

1. $\frac{2}{3}$
2. $\frac{2}{81}$
3. $\frac{160}{3}$
4. $\frac{160}{81}$

34) What will be the HCF of 608, 544; 638, 783; and 425, 476 respectively?

1. 32, 29, 17
2. 17, 32, 29
3. 29, 32, 17
4. 32, 17, 29

30) A can do a job in 30 days. B alone can do the same job in 20 days. If A starts the work and joined by B after 10 days, in how many days the job will be done?

1. 15 days
2. 16 days
3. 17 days
4. 18 days

31) What is the HCF of 1095 and 1168?

1. 37
2. 73
3. 43
4. 83

32) Find the HCF of 210, 385, and 735.

1. 7
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2. 17, 32, 29
3. 29, 32, 17
4. 32, 17, 29

35) The LCM of

1. $\frac{1}{54}$
2. $\frac{10}{27}$
3. $\frac{20}{3}$
4. None of these.

36) If the HCF of two numbers is 27, and their sum is 216, find these numbers.

1. 27, 189
2. 154, 162
3. 108, 108
4. 81, 189

37) Two numbers are in the ratio of 15:11. If the HCF of numbers is 13, find the numbers.

1. 75, 55
2. 105, 77
3. 15, 11
4. 195, 143

38) Find the greatest integer that divides 358, 376, and 334 and leaves the same remainder in each case.

1. 6
2. 7
3. 8
4. 9

39) Three bells toll at intervals of 36 sec, 40 sec, and 48 sec respectively. They start singing together at a particular time. When will they toll next together?

1. 6 minutes
2. 12 minutes
3. 18 minutes
4. 24 minutes

40) The LCM of two numbers is 7700, and their HCF is 11. If one of these numbers is 275, what is the other number?

1. 279
2. 283
3. 308
4. 318

41) What is the area of a triangle with base 5 meters and height 10 meters?

1. 20 square meters
2. 35 square meters
3. 25 square meters
4. 40 square meters

42) The base of a right-angled triangle is 10 and hypotenuse is 20. What is its area?

1. 52 meters
2. 58 meters
3. 68 meters
4. 60 meters

43) The sides of a triangle are in the ratio 10: 24:26 and its perimeter is 300 m. What is its area?

1. 2500 m2
2. 3000 m2
3. 3500 m2
4. 4000 m2

44) The ratio of length and breadth of a rectangular park is 4:2. If a cat running along the boundary of the park at the speed of 18 km/hr completes one round in 10 minutes, find the area of the park in square meters.

1. 50000 sq. m.
2. 45000 sq. m.
3. 68000 sq. m.
4. 55000 sq. m.

45) The perimeter of the rectangular field is 480 meters and the ratio between the length and breadth is 5:3. Find the area of the field.

1. 7200 m2
2. 15000 m2
3. 13500 m2
4. 54000 m2

46) If the perimeter of a square is 24 cm, one of the sides of the square is

1. 12 cm
2. 8 cm
3. 6 cm
4. 2 cm

47) If the diagonal of a square field is 16 m, what is its area?

1. 126 m2
2. 128 m2
3. 130 m2
4. 132 m2

48) The area of a rectangle and square are equal. The side of the square is 5 cm and the smaller side of the rectangle is half that of the square. The length of the other side of the rectangle would be

1. 5 cm
2. 8 cm
3. 10 cm
4. 12.5 cm

49) The length of a rectangle is increased by 60%. By what percent would the width have to be decreased to maintain the same area?

1. 37.5%
2. 60%
3. 75%
4. 120%

50) The ratio between the breadth and perimeter of a rectangle is 2:10. If the area of the rectangle is 428 sq. cm, what is the length of the rectangle?

1. 25.4 cm
2. 30.4 cm
3. 40.4 cm
4. 45.4 cm

ANSWERS

1. **2**
2. **3**
3. **3**
4. **2**
5. **3**
6. **4**
7. **2**
8. **1**
9. **2**
10. **3**
11. **2**
12. **2**
13. **1**
14. **3**
15. **4**
16. **2**
17. **4**
18. **1**
19. **3**
20. **3**

1. **2**
22. **3**
23. **1**
24. **2**
25. **1**
26. **1**
27. **2**
28. **2**
29. **4**
30. **2**
31. **4**
32. **2**
33. **1**
34. **3**
35. **1**
36. **4**
37. **1**
38. **2**
39. **3**
40. **3**

41. **4**
42. **1**
43. **1**
44. **3**
45. **3**
46. **2**
47. **3**
48. **1**
49. **1**
50. **1**