

Flextronics Aptitude Paper on May 2008

1. The number of times the two hands of a clock make a right angle between midday and midnight is

(1) 24 (2) 23 (3) 22 (4) 12

2. A train running at a speed of 45 km/hour takes 10 seconds to pass a certain point. Then the length of the train is

(1) 120 m (2) 125 m (3) 128 m (4) 450 m

3. If $x = (7 + 4\sqrt{3})$, then the value of $x^2 + 1/x^2$ is

(1) 193 (2) 194 (3) 195 (4) 196

4. Three bells ring at the intervals of 36 seconds, 40 seconds and 48 seconds respectively. They start ringing together at a particular time. When will they start ringing together again?

(1) After 6 minutes (2) After 12 minutes (3) After 18 minutes (4) After 24 minutes

5. The sum of one-half, one-third and one-fourth of a number exceeds the number by 12. The number is

(1) 144 (2) 154 (3) 90 (4) 174

6. A farmer divides his herd of x cows among his 4 sons so that one son gets one half of the herd, the second gets one-fourth, the third gets one-fifth and the fourth gets 7 cows. Then x is equal to

(1) 100 (2) 140 (3) 180 (4) 160

7. If the list price of a book is reduced by Rs. 5, then a person can buy 5 more books for Rs. 300. The original cost of the book is

(1) Rs. 15 (2) Rs. 20 (3) Rs. 25 (4) Rs. 30

8. A man has only 20-paise and 25-paise coins in a bag. If he has 50 coins in all totaling to Rs. 11.25, then the number of 20-paise coins is

(1) 28 (2) 27 (3) 26 (4) 25

9. Jayant gets 3 marks for each right sum and loses 2 marks for each wrong sum. He attempts 30 sums and obtains 40 marks. The number of sums attempted correctly is

(1) 25 (2) 20 (3) 26 (4) 27

Complete the following number series:

10. 1, 1, 3, 9, 5, 25, 7, 49, __, 81

(1) 7 (2) 9 (3) 8 (4) 10

11. 5, 11, 23, 41, 64, __

(1) 89 (2) 95 (3) 101 (4) 105

12. If $a^4 + b^4 = a^2 b^2$, then $a^6 + b^6$ equals

(1) 0 (2) $a^3 b^3$ (3) abc (4) 1

Answers:

1.(3)

- 2.(2)
- 3.(2)
- 4.(2)
- 5.(1)
- 6.(2)
- 7.(2)
- 8.(4)
- 9.(2)
- 10.(2)
- 11.(2)
- 12.(1)