

## Numbers - General Questions

1. Which one of the following is not a prime number?

a. 31

b. 61

c. 71

d. 91

2.  $(112 \times 54) = ?$

a. 67000

b. 70000

c. 76500

d. 77200

3. It is being given that  $(232 + 1)$  is completely divisible by a whole number. Which of the following numbers is completely divisible by this number?

a.  $(216 + 1)$

b.  $(216 - 1)$

c.  $(7 \times 223)$

d.  $(296 + 1)$

4. What least number must be added to 1056, so that the sum is completely divisible by 23 ?

a. 2

b. 3

c. 18

d. 21

e. None of these

5.  $1397 \times 1397 = ?$

a. 1951609

b. 1981709

c. 18362619

d. 2031719

e. None of these

Problems on H.C.F and L.C.M - General Questions

1.Find the greatest number that will divide 43, 91 and 183 so as to leave the same remainder in each case.

- a.4
- b.7
- c.9
- d.13

2.The H.C.F. of two numbers is 23 and the other two factors of their L.C.M. are 13 and 14. The larger of the two numbers is:

- a.276
- b.299
- c.322
- d.345

3.Six bells commence tolling together and toll at intervals of 2, 4, 6, 8 10 and 12 seconds respectively. In 30 minutes, how many times do they toll together ?

- a.4
- b.10
- c.15
- d.16

4.Let N be the greatest number that will divide 1305, 4665 and 6905, leaving the same remainder in each case. Then sum of the digits in N is:

- a.4
- b.5
- c.6
- d.8

5.The greatest number of four digits which is divisible by 15, 25, 40 and 75 is:

- a.9000
- b.9400
- c.9600

### Average General Questions

1. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

- a. 6.25
- b. 6.5
- c. 6.75
- d. 7

2. A family consists of two grandparents, two parents and three grandchildren. The average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 6 years. What is the average age of the family?

- a. 28 years
- b. 31 years
- c. 32 years
- d. None of these

3. A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs. 6500?

- a. Rs. 4991
- b. Rs. 5991
- c. Rs. 6001
- d. Rs. 6991

4. The average of 20 numbers is zero. Of them, at the most, how many may be greater than zero?

- a. 0
- b. 1
- c. 10
- d. 19

5. The average weight of 8 person's increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person?

- a.76 kg
- b.76.5 kg
- c.85 kg
- d. Data inadequate
- e. None of these

#### Percentage - General Questions

1.A batsman scored 110 runs which included 3 boundaries and 8 sixes. What percent of his total score did he make by running between the wickets?

- a.45%
- b.45.9%
- c.54%
- d.55%

2.Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:

- a.39, 30
- b.41, 32
- c.42, 33
- d.43, 34

3.A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:

- a.588 apples
- b.600 apples
- c.672 apples
- d.700 apples

4.What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit?

- a.1
- b.14
- c.20
- d.21

5.If  $A = x\%$  of  $y$  and  $B = y\%$  of  $x$ , then which of the following is true?

- a. A is smaller than B.
- b. A is greater than B
- c. Relationship between A and B cannot be determined.
- d. If  $x$  is smaller than  $y$ , then A is greater than B.
- e. None of these

#### Simple Interest general questions

1.A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. The sum is:

- a. Rs. 650
- b. Rs. 690
- c. Rs. 698
- d. Rs. 700

2.Mr. Thomas invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be Rs. 3508, what was the amount invested in Scheme B?

- a. Rs. 6400
- b. Rs. 6500
- c. Rs. 7200
- d. Rs. 7500
- e. None of these

3.A sum fetched a total simple interest of Rs. 4016.25 at the rate of 9 p.c.p.a. in 5 years. What is the sum?

- a. Rs. 4462.50
- b. Rs. 8032.50
- c. Rs. 8900
- d. Rs. 8925
- e. None of these

4.How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest?

a.3.5 years

b.4 years

c.4.5 years

d.5 years

5.Reena took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest?

a. 3.6

b.6

c.18

d. Cannot be determined

e. None of these

#### Time and Work General Questions

1.A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is :

a.1/4

b.1/10

c.7/15

d.8/15

2.A can lay railway track between two given stations in 16 days and B can do the same job in 12 days. With help of C, they did the job in 4 days only. Then, C alone can do the job in:

a.46/5 days

b.47/5 days

c.5

d.10

3.A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

a.12 days

b.15 days

c.16 days

d.18 days

4.A is thrice as good as workman as B and therefore is able to finish a job in 60 days less than B. Working together, they can do it in:

a.20 days

b. $45/2$  days

c.25 days

d.30 days

5.A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?

a. Rs. 375

b. Rs. 400

c. Rs. 600

d. Rs. 800

#### Profit and loss General Questions

1.Alfred buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, his gain percent is:

a. $32/7\%$

b. $60/11\%$

c.10%

d.12%

2.The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:

a.15

b.16

c.18

d.25

3.If selling price is doubled, the profit triples. Find the profit percent.

a. $200/3$

b.100

c. $115/3$

d.120

4.In a certain store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?

a.30%

b.70%

c.100%

d.250%

5.A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?

a.3

b.4

c.5

d.6