

LCM and HCF Questions

1. The HCF and LCM of two numbers are 13 and 455 respectively. If one of the numbers lies between 75 and 125, then, that numbers is:

- a)75 b)91
- c)117 d)104

Ans:b)91

2. The least perfect square, which is divisible by each of 20, 35 and 65 is

- a)3312400 b)3314434
- c)4331444 d)4661234

Ans:a) 3312400

3. A number when successively divided by 6, 4, 2 gives remainder 0, 3, 1 respectively in that order. What will be the remainder when the same number is divided successively by 2, 4, 6 in that order?

- a)1,1,3 b)3,1,1
- c)1,0,3 d)1,3,0

Ans:a)1,1,3

Divisibility Questions

4. Two third of the oranges and 3553 th of the apples are not edible to eat out of 3,75,569 oranges and 2,45,589 apples. The owner has to sell only the eatable Oranges and Apples. How many Oranges and Apples can the farm owner sell in total ?

- a)2,24,653 b)2,23,425
- c) 2,34,156 d)2,65,245

Ans:b)2,23,425

a)n+1	b)n+4
c)n+5	d)n+3

9. One year ago, the ratio of Rishabh pant and prithvi shaw ages was 2: 3 respectively. After five years from now, this ratio becomes 4: 5. How old is Prithvi shaw now?

a)15 years b)12 years

c) 18 years d)10 years

Ans:d)10 years

10.Salman Khan is 50 years old and Akshay Kumar is 40 years old. How long ago was the ratio of their ages 3:2?

a)6 years b)8 years

c)20 years d)15 years

Ans:c)20 years

11. A man said to his son, "I was one-fourth of your present age when you were born". If the present age of the man is 55 years, find the present age of the son

a)35 years b)40 years

c)44 years d)none of these

Ans:c)44 years

12. The present age of Zaheer khan and Munaf patel is in the ratio 3:4. 5 years back, the ratio of their ages was 2:3. What is the present age of Zaheer khan?

a)16 years b)12 years

c)9 years d)15 years

Ans:d)15 years

Simple and Compound Interest

13 .The SI on a sum of money is 25%of the principal, and the rate per annum is equal to the number of years. Find the rate percent)

a)2% b)5%

c)6% d)4%

Ans: b)5%

14. A certain sum of money amounts to Rs 704 in 2 years and Rs 800 in 5 years . Find the rate percentage per annum for simple interest

a)8% b)13%

c)5% d)2%

Ans:c)5%

15.A certain sum of money trebles itself in 8 years in how many years it will become 5 times of itself ?

a)20 years b)16 years

c)15 years d)26 years

Ans: b)16 years

16. What is the difference between the compound interests on Rs. 8050 for 112121 years at 8% per annum compounded yearly and half-yearly?

a)Rs 1003.04 b)Rs 997.04

c)Rs 1123.04 d)Rs 1345.04

Ans:a)Rs 1003.04

Profit and Loss questions

17. A shopkeeper offers a discount of 20% on the marked price. On a special sale day, he offers an extra 25% off coupon after the first discount. If the article was sold for Rs. 3600, find

1.The marked price of the article and

2.The cost price if the shopkeeper still makes a profit of 80% on the whole after all discounts are applied.

a)4500,2015 b)5000,2500

c)6000,2000 d)4200,1800

Ans:c)6000,2000

18.A man sells 3 articles, one at a loss of 10%, another at a profit of 20% and the third one at a loss of 25%. If the selling price of all three is

the same, Find by how much percent is their average CP lower than or higher than their SP

- a)10%.lower b)9.589%.higher
c)8.59%.lower d)9.2566%.higher

Ans:d)9.2566%.higher

19. The cost of Dry Fruit set in 2011 is 700, divided between material, labor, and overheads in the ratio 3:2:2. If the Dry Fruit set is marked at a price that gives a 20% profit on the component of price accounted for by labor, what is the marked price of the set?

- a)740 b)1080
c)960 d)1020

Ans:a)740

20. For previous Question, if subsequently in 1983, the cost of labour and overheads increased by 30%, and 10% respectively, calculate the cost of manufacturing in 1983

- a)780 b)1050
c)1080 d)1100

Ans:a)780