

1. The LCM of  $\frac{2}{9}$ ,  $\frac{4}{15}$  &  $\frac{1}{30}$  is how many times the HCF of  $\frac{7}{15}$ ,  $\frac{21}{40}$  &  $\frac{14}{15}$ ?
1.  $\frac{160}{7}$
  2.  $\frac{7}{160}$
  3.  $\frac{120}{7}$
  4.  $\frac{90}{7}$
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  $243 \times 162 = 39366$ , then  $3936.600 \div 0.243 = ?$
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  $p = \frac{22}{7}$ ). 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  $3\frac{1}{4}$  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  $\frac{1}{4}$  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  $\frac{3}{4}$  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