

## Quantitative Aptitude Questions & Answers

We have listed some important quantitative questions and their answers for the students:

### Question 1: Percentages

A pair of shoes originally costs ₹2,000 and is on sale for 15% off. What is the sale price?

**Answer:** Sale price = Original price - (15% of Original price)  
= ₹2,000 - (0.15 × ₹2,000)  
= ₹2,000 - ₹300  
= **₹1,700**

### Question 2: Ratios

In a class, the ratio of boys to girls is 5:3. If there are 40 boys, how many girls are there in the class?

**Answer:** Let the number of girls be  $x$ .  
The ratio of boys to girls is  $5/3$ , so:  
 $40/x = 5/3 = 5x = 120 = x = 24$   
There are **24 girls** in the class.

### Question 3: Simple Interest

What is the simple interest on a principal amount of ₹10,000 at an annual interest rate of 7% for 4 years?

**Answer:** Simple Interest (SI) =  $P \times r \times t$   
where,  
P is the principal,  
r is the rate of interest, and  
t is time in years.

SI =  $10,000 \times 0.07 \times 4 = 2,800$   
The simple interest is **₹2,800**.

### Question 4: Time and Work

If a person can complete a task in 8 hours, how much of the task can they complete in 2 hours?

**Answer:** Work done in 1 hour =  $1/8$  of the task  
Work done in 2 hours =  $2 \times 1/8 = 2/8 = 1/4$  of the task  
So, the person can complete  **$1/4$  of the task** in 2 hours.

### Question 5: Averages

Find the average of the following numbers: 10, 20, 30, 40, and 50.

**Answer:** Average = Sum of numbers/Number of values  
Sum =  $10 + 20 + 30 + 40 + 50 = 150$   
Number of values = 5  
Average =  $150/5 = 30$   
The average is 30.

### Question 6: Numbers Aptitude

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

**Answer:** The digit 5 has two place values in the numeral,  $5 \times 10^5 = 50,000$  and  $5 \times 10^1 = 50$ .

∴ Required difference =  $50000 - 50 = 49950$

### Question 7: Calendar Aptitude

If January 1, 1996, was Monday, what day of the week was January 1, 1997?

Answer: The year 1996 is divisible by 4, so it is a leap year with 2 odd days.

As per the question, the first day of the year 1996 was Monday, so the first day of the year 1997 must be two days after Monday. So, it was **Wednesday**.