MATHEMATICS WORKSHEET – 01

Topic: Ratio and Proportion   **Marks:10**

Instructions:
➢ *Read each question carefully before solving.*
➢ *Convert percentages to **fractions or decimals** where required.*
➢ *Show all **necessary working steps**.*
➢ *Write final answers clearly.*
➢ *Recheck calculations after completing the worksheet.*

Solved Examples

Example 1:
Find 25% of 240.
Solution:
25% = 25/100 = 1/4
25% of 240 = 240 × 1/4 = 60

Example 2:
A student scored 360 marks out of 450. Find the percentage of marks obtained.
Solution:
Percentage = (360 ÷ 450) × 100
            = 80%

Practice Questions

1. Find 15% of 360.

2. Express 0.75 as a percentage.

3. Find the percentage increase when a number changes from 200 to 250.

4. Find the percentage decrease when the price of an article reduces from ₹800 to ₹680.

5. If 45% of a number is 180, find the number.

6. In a class of 40 students, 30 students passed the exam. Find the pass percentage.

7. A shirt marked at ₹1,200 is sold at a discount of 20%. Find the selling price.

8. If the population of a town increases from 50,000 to 55,000, find the percentage increase.

9. Find the original price of an article if 10% discount gives a discount of ₹150.

10. A student scored 420 marks out of 600. Find the percentage of marks scored.

ALLTHE BEST 👍