

Percentage

Chapter 12: Percentage · Topic 1

Key Concept

'Percent' means 'per hundred,' so 25% means 25 out of every 100, or the fraction $25/100$.

To convert a fraction to a percentage, we multiply by 100, like $1/4$ becoming 25% ($1/4 \times 100 = 25$).

To find a percentage of a number, we multiply the number by the percentage as a decimal, like 20% of 50 being $0.20 \times 50 = 10$.

Percentages are widely used for discounts in shopping, exam marks, statistics, and comparing proportions easily.

Quick Revision Notes

- Percent means 'per hundred'.
- $25\% = 25/100$.
- Fraction to percentage: multiply by 100.
- $1/4 \times 100 = 25\%$.
- Percentage of a number: multiply by decimal form.
- 20% of 50 = $0.20 \times 50 = 10$.
- Used in discounts, marks, statistics.
- It helps compare proportions easily.

Practice Questions

- 1 Convert $3/5$ to a percentage.
- 2 Find 15% of 200.
- 3 Calculate a discount of 10% on a ■500 item.
- 4 Convert 60% to a fraction in lowest terms.
- 5 Solve a percentage word problem.
- 6 Discuss where you see percentages in daily life.