

Percent and Percentage

Chapter 7: Percent and Percentage · Topic 1

Key Concept

To find a percentage of a number, we multiply the number by the percentage and divide by 100, like
 $25\% \text{ of } 80 = (25 \times 80) \div 100 = 20$.

Percentage increase or decrease is calculated as $(\text{change} \div \text{original value}) \times 100$, showing how much something has grown or shrunk proportionally.

Converting between fractions, decimals, and percentages helps us compare quantities expressed in different formats.

Percentages are widely used in finance, statistics, and everyday life for expressing proportions and changes clearly.

Quick Revision Notes

- Percentage of a number: $(\text{percentage} \times \text{number}) \div 100$.
- $25\% \text{ of } 80 = 20$.
- Percentage change = $(\text{change} \div \text{original}) \times 100$.
- This shows proportional growth or shrinkage.
- Fractions, decimals and percentages can convert between each other.
- This helps compare different formats.
- Percentages are used in finance and statistics.
- They express proportions clearly in daily life.

Practice Questions

- 1 Calculate 15% of 60.
- 2 Calculate the percentage increase from 50 to 65.
- 3 Convert 0.75 to a percentage.
- 4 Convert 60% to a fraction.
- 5 Solve a real-life percentage problem.
- 6 Discuss where you've seen percentages used recently.