

**YEAR 5**

Fractions, Decimals and Percentages

Fractions, decimals and percentages are three ways of writing the same thing. Being able to switch between them quickly saves a lot of time in an exam.

Section A · Converting

- 1 Write $\frac{1}{2}$ as a decimal **0.5**
- 2 Write 0.25 as a fraction in its simplest form **$\frac{1}{4}$**
- 3 Write $\frac{3}{10}$ as a percentage **30%**
- 4 Write 45% as a decimal **0.45**
- 5 Write $\frac{7}{20}$ as a percentage **35%**
- 6 Write 0.6 as a fraction in its simplest form **$\frac{3}{5}$**

Section B · Calculating

- 1 $\frac{1}{2} + \frac{1}{4}$ **$\frac{3}{4}$**
- 2 Find $\frac{3}{5}$ of 40 **24**
- 3 Find 20% of 150 **30**
- 4 Find $\frac{2}{3}$ of 90 **60**
- 5 Increase 80 by 25% **100**
- 6 Decrease 60 by 10% **54**

Section C · Problem solving

- 1 A jacket costs £40.00 and is reduced by 15%. What is the new price? **£34.00**
- 2 $\frac{3}{8}$ of 64 students walk to school. How many students walk? **24**
- 3 Priya scores 40 out of 50 in a test. What percentage is this? **80%**

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A phone costs £200.00. The price rises by 12%. What is the new price?

£224.00