



Maths

Calculation Policy

Percentages

2025

Year Five → page 3

Year Six → page 5

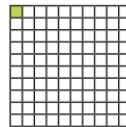
Year Five:

- ➡ Recognise the per cent symbol (%) and understand that per cent relates to "number of parts per 100".

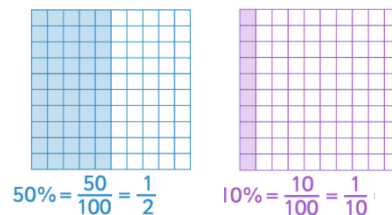
Children learn that "per cent" relates to "number of parts per 100". If the whole is split into 100 equal parts, then each part is worth 1%. Hundred squares and 100-piece bead strings are useful representations for exploring this concept.

Key learning

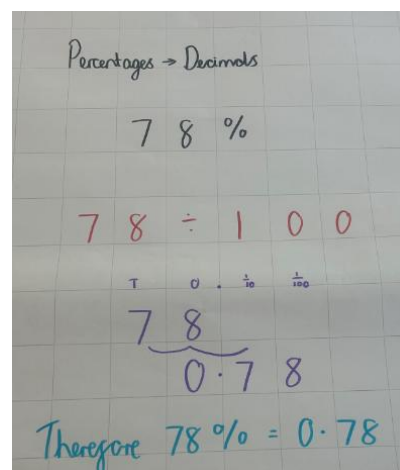
- The hundred square has 1 part shaded. This is 1%.



- ➡ Write percentages as a fraction with a denominator of 100



- ➡ Solve problems which require knowing percentage equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{3}{5}$, $\frac{4}{5}$
- ➡ Solve problems which require knowing percentage equivalents of those fractions with a denominator of a multiple of 10 or 25
- ➡ Ensure children know how to divide by 100- see separate policy
- ➡ Write percentages as a decimal fraction



0→ Solve problems which require knowing percentage and decimal equivalents

0→ Solve problems which require knowing percentage, decimal and fraction equivalents.

Year Six:

- 0 ➡ Recognise the per cent symbol (%) and understand that per cent relates to "number of parts per 100".
- 0 ➡ Pupils explain what percent means
- 0 ➡ Pupils explain how to represent a percentage in different ways
- 0 ➡ Write percentages as a fraction with a denominator of 100
- 0 ➡ Pupils explain how to convert percentages to decimals and fractions (with a denominator of 100)
- 0 ➡ Pupils explain how to convert a percentage to a fraction (without denominator of 100)
- 0 ➡ Solve problems which require knowing percentage equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$
- 0 ➡ Solve problems which require knowing percentage equivalents of those fractions with a denominator of a multiple of 10 or 25
- 0 ➡ Write percentages as a decimal fraction
- 0 ➡ Solve problems which require knowing percentage and decimal equivalents
- 0 ➡ Solve problems which require knowing percentage, decimal and fraction equivalents.
- 0 ➡ Pupils use their knowledge of fraction-decimal-percentage conversions to solve conversion problems in a range of contexts
- 0 ➡ Pupils use their knowledge of calculating 50%, 10% and 1% of a number to solve problems in a range of contexts
- 0 ➡ Pupils use their knowledge of calculating common percentages of a number to solve problems in a range of contexts
- 0 ➡ Pupils use their knowledge of calculating any percentage of a number to solve problems in a range of contexts
- 0 ➡ Pupils explain how to solve problems where the percentage part and the size of the part is known and the whole is unknown

