

Key Instant Recall Facts

By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

- I know the decimal, percentage and fraction equivalents

Key Vocabulary:

Fraction
Decimal
Percentage
Equivalent
Convert

Stem sentences to use:

Stem sentences:

A fraction, decimal and percentage are equivalent when _____.

To convert between fractions, decimals and percentages, I can _____.

I know ____ is equivalent to ____ because _____.

Suggested activities:

Here are six activities parents can do with their Year 6 child to practise calculating percentages and finding fractions of amounts:

Shopping Discounts

- Use real prices to find discounts.
- Example: Find 10% or 25% off £40.

Fraction of an Amount Cards

- Make cards with questions such as $\frac{3}{4}$ of 20 or $\frac{2}{5}$ of 50.
- Solve and check answers together.

Percentage Bingo

- Create bingo boards with answers.
- Call out percentage questions and cover the matching answer.

Money Challenges

- Use pocket money or savings.
- Example: "Save 30% of £50. How much is that?"

Recipe Maths

- Adjust ingredient amounts.
- Example: "Increase this recipe by 50%" or "Find $\frac{1}{4}$ of the ingredients."

Beat the Clock

- Give quick-fire questions involving fractions and percentages.
- Try to improve speed and accuracy each time.

Top tip:

Encourage your child to use known facts, such as 10% = divide by 10, 50% = half, and 25% = quarter, to help solve problems quickly.

To calculate percentages, convert the percentage to a decimal and multiply by the total amount.

For example, to find 25% of 80

Convert 25% to a decimal:
25 divided by 100 = 0.25
Multiply by 80 ($0.25 \times 80 = 20$)

To find fractions of amounts - divide the total amount by the denominator (bottom number) and multiply by the numerator (top number)