



# Fractions, decimals and percentages

#### Lesson sequence

- Decimals up to 2 decimal places
- Equivalent fractions and decimals (tenths and hundredths)
- Equivalent fractions and decimals
- Thousandths as fractions
- Thousandths as decimals
- Thousandths on a place value chart
- · Order and compare decimals
- Round decimals (nearest whole number and 1 decimal place)
- Understand percentages
- Percentages as fractions and decimals
- Equivalent fractions, decimals and percentages

### Sticky learning

## New Knowledge

- To know that per cent relates to "number of parts per hundred"
- To recognise the per cent symbol (%)
- To know that mixed numbers are a whole number and a fraction
- To know that percentages, fractions and decimals are connected (for example, 100% represents a whole quantity and 1% is 1/100, 50% is 50/100, 25% is 25/100)

#### New Skills

- To use thousandths and relate them to tenths, hundredths and decimal equivalents
- To write percentages as a fraction with denominator 100 as a decimal fraction
- To count in decimals and fractions, bridging zero
- To interpret non-integer answers to division by expressing results in different ways according to the context, as fractions, as decimals or by rounding
- To use thousandths and relate them to tenths, hundredths and decimal equivalents
- Round decimals with two decimal places to the nearest whole number and to one decimal place

### Vocabulary

- Multiply
- Rounding
- Fraction wall
- Place value
- Fraction
- Quantity
- Percentages
- Thousandths

- Integer
- Tenths
- Hundredths
- Unit fraction
- Non-unit fraction

## Concept Links/Prior Knowledge

- Converting fractions into decimals
  - Order and compare decimals
- Round decimals numbers to the nearest whole and 1 decimal place
  - Know the value of digits in decimal numbers







