Topic 10: percentages	Key ideas
☐ Understand percentage as a fractional operator with denominator of 100 Mathswatch N24a ☐ Express a part of a whole as a percentage Mathswatch N24a and N39a ☐ Convert between fractions, decimals and percentages Mathswatch N32 ☐ Find fractions and percentages of given quantities Mathswatch N33 and N24b ☐ Find the whole given a part and the percentage ☐ Increasing and decreasing by a percentage Mathswatch R9a ☐ Calculate simple interest Mathswatch R7	I can recognise and calculate equivalent fractions, decimals and percentages. I can convert between fractions, decimals and percentages. I can calculate a percentage of a quantity. I can use percentage multipliers to carry out percentage calculations. I can work out percentage increase and decrease. I can work out one quantity as a percentage of another. I can solve simple problems involving simple interest.

Key vocabulary

Percentage	A number or ratio expressed as a fraction out of 100. Per-cent means per-hundred *(or out of 100)*.
Fraction	A fraction tells us how many parts of a whole we have.
Decimal	A decimal is used to show values smaller than 1 whole unit.
Convert	To change between percentages, decimals and fractions whilst keeping the value the same.
Order	To put objects into an ascending or decreasing list based on a certain property.
Increase	To increase something is to make it larger.
Decrease	To decrease something it to make it smaller or to take something away.
Interest	Interest is a percentage increase on a value over a period of time.