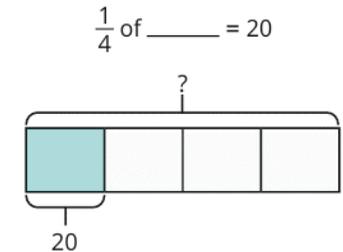
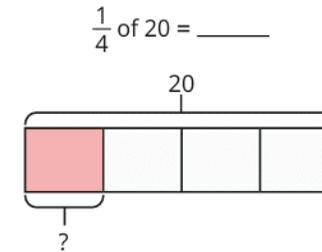


Year 6 Ravens
Mathematics
 Autumn Term 2

Number:
 Fractions
Measurement:
 Converting Units

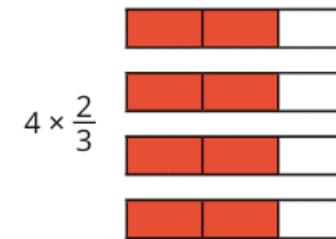
Fraction of an amount

Bar models are great ways to understand how to find the fraction of an amount or using the fraction to find the whole.



	Key Vocabulary	Definition
Fraction	Denominator	The denominator is the bottom part of a fraction. It is a digit which denotes how many equal parts the whole has been divided into. $\frac{1}{2}$ means two equal parts will equal a whole. $\frac{1}{4}$ means that four equal parts will equal the whole.
	Equivalent	This means they are equal in value. Fractions can be shown in different ways but still have the same value for example, $\frac{1}{2}$ is the same as $\frac{3}{6}$ and $\frac{9}{18}$.
	Fraction	When an integer is split into parts then these parts can be represented as a fraction which includes a numerator and a denominator.
	Integer	A whole number that is complete and does not have any parts.
	Mixed Numbers	A number which comprises of an integer and a fraction such as $1\frac{1}{2}$.
	Numerator	The numerator is the top part of the fraction. It is a digit which denotes how many of the equal parts are present. $\frac{3}{5}$ would represent a whole split into 5 parts of which 3 parts are present.
Converting Units	Centi-	A prefix for measurements which means a factor of one hundredth ($\frac{1}{100}$). Therefore, centimetre means one hundredth of a metre: $100\text{cm} = 1\text{m}$.
	Convert	To change form or character. In converting measurements, the unit of measurement is changed. E.g., from metres to centimetres is 50cm to 0.5m .
	Imperial	A formerly used system for measuring in the UK. It is still used for some measurements e.g., height in feet/ inches; mass in stone/ pound; pints.
	Kilo-	A prefix for units of measurement which mean a factor of 1,000. To convert 1km into metres, it will need to be multiplied by 1,000 so it's $1,000\text{m}$.
	Kilometres	A metric measurement of longer distances used around the world.
	Metric	A standard system of measurement. Length in metres; mass in grams.
	Miles	An imperial measurement of distance in the UK.
Milli-	A prefix for measurements which means a factor of one thousandth ($\frac{1}{1000}$). Therefore, millimetre means one thousandth of a metre. 1m divided by 1000 would equal 1mm . $1000\text{mm} = 1\text{m}$.	

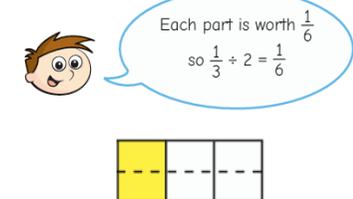
Multiplying fractions by integers



When multiplying a fraction by an integer, the numerator is multiplied. In the example I would have 8 thirds. $\frac{8}{3}$

Dividing fractions by integers

When you divide fractions by an integer, the number gets smaller. You can divide the numerator by the integer if it is a multiple of the integer. If not, multiply the denominator by the integer.



Converting units

