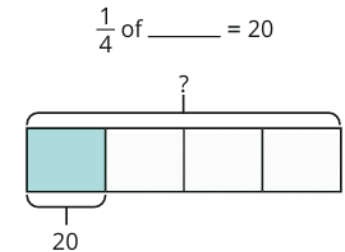
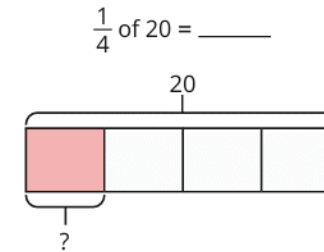


Year 6 Ravens  
**Mathematics**  
 Autumn Term 2

**Number:**  
 Fractions  
**Measurement:**  
 Converting Units

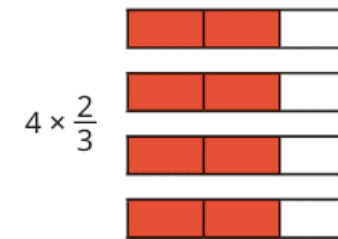
**Fraction of an amount**

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	<b>Denominator</b>	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.
	<b>Equivalent</b>	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 $\frac{9}{18}$ .
	<b>Fraction</b>	When an integer is split into parts then these parts can be represented as a fraction which includes a numerator and a denominator.
	<b>Integer</b>	A whole number that is complete and does not have any parts.
	<b>Mixed Numbers</b>	A number which comprises of an integer and a fraction such as $1\frac{1}{2}$ .
	<b>Numerator</b>	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	<b>Centi-</b>	A prefix for measurements which means a factor of one hundredth ( $\frac{1}{100}$ ). Therefore, centimetre means one hundredth of a metre: $100\text{cm} = 1\text{m}$ .
	<b>Convert</b>	To change form or character. In converting measurements, the unit of measurement is changed. E.g., from metres to centimetres is $50\text{cm}$ to $0.5\text{m}$ .
	<b>Imperial</b>	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.
	<b>Kilo-</b>	A prefix for units of measurement which mean a factor of 1,000. To convert $1\text{km}$ into metres, it will need to be multiplied by 1,000 so it's $1,000\text{m}$ .
	<b>Kilometres</b>	A metric measurement of longer distances used around the world.
	<b>Metric</b>	A standard system of measurement. Length in metres; mass in grams.
	<b>Miles</b>	An imperial measurement of distance in the UK.
<b>Milli-</b>	A prefix for measurements which means a factor of one thousandth ( $\frac{1}{1000}$ ). Therefore, millimetre means one thousandth of a metre. $1\text{m}$ divided by 1000 would equal $1\text{mm}$ . $1000\text{mm} = 1\text{m}$ .	

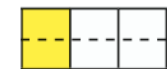
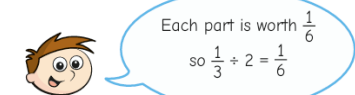
**Multiplying fractions by integers**



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**

