



Decimals and percentages

To use the decimal method for finding percentage parts you need to know **how to change a percentage into a decimal**.

You might already know that **50%** is the same as $\frac{1}{2}$ and that is the same as **0.5**.

Here are some others. Can you see how the decimals are very similar to the percentages?



In the table below they are written out with the zeros left in the decimals.

Remember that **0.20** and **0.2** have the same value.

Note how the percentage is **divided by 100** to make it into a decimal? The digits get moved **two places** to the right.

0%	10%	20%	25%	50%	75%	100%
0.0	0.10	0.20	0.25	0.50	0.75	1.0

To use the decimal method you need to know how to multiply by a decimal. If you don't know how to do this using paper and pen, you can use a calculator instead.

The decimal method shows examples of the decimal method.

For more information about the maths of how to change between percentages and decimals, look at the factsheets in the topic Comparing fractions and percentages.

For more information about dividing by 100 and using a decimal point, look at the topics on multiplication and division.