



Using a calculator to find percentages 2

The method used on this factsheet to find percentages can save time, but you have to think a bit more at the start of the sum. This method has two steps:



Let's work it through using the same problem as in Using a calculator to find percentages. A coat costing £80 has been reduced by 15% in a sale. Work out the sale price for the coat. This time think of the original cost of the coat as being 100%. The coat has been reduced by 15%. It has lost 15% from the 100% of the original price. The percentage left is:

$$100\% - 15\% = 85\%$$

So the sale price must be **85%** of the original price.

Now you have to find 85% of £80 to get the answer. Using the calculator this is:

$$85 \div 100 \times 80 =$$

The answer is **£68**. It's a quicker calculation but you have to think more at the beginning.

Below are the same examples from the factsheet Using a calculator to find percentages 1 worked through using this method. Use your calculator to practise the steps.

Original price	Original price, with percentage change	Percentage change to find	Sum	New price
£40	35% increase	$100\% + 35\% = 135\%$	$135 \div 100 \times 40$	£54
£36	12% increase	$100\% + 12\% = 112\%$	$112 \div 100 \times 36$	£40.32
£56	7% decrease	$100\% - 7\% = 93\%$	$93 \div 100 \times 56$	£52.08
£110	55% decrease	$100\% - 55\% = 45\%$	$45 \div 100 \times 110$	£49.50