Fractions and percentages

Some skirts are in the sale with **50% off** the original price of **£20**.

How much are they now?

The correct answer is £10. It's quite easy to find the answer if you can remember that **finding 50% is the same as finding a half, or dividing by two**.

Here are the fractions for some other percentages:

percentage	fraction
10%	$\frac{1}{10}$
20%	$\frac{1}{5}$
25%	$\frac{1}{4}$
50%	$\frac{1}{2}$
75%	$\frac{3}{4}$

Examples

20% is the same as $\frac{1}{5}$ so divide by 5 to find the saving.

10% is the same as $\frac{1}{10}$ so divide by 10 to find the saving.

To pass a national exam you need to get 75%. There are 40 questions altogether. How many do you need to get right?

75% is the same as $\frac{3}{4}$ so find $\frac{1}{4}$ then multiply by 3 to find $\frac{3}{4}$.

$\frac{1}{4}$ of 40 = 40 ÷ 4 = 10

$\frac{3}{4}$ of 40 = 3 × 10 = 30

So you need to get **30** questions right to pass the exam.