Fractions, Decimals and Percentages

Converting confidently between fractions, decimals and percentages is one of the most tested skills across every KS3 maths papers and appears at GCSE level too.

a) Complete the sentences.

..... **out of 10** is the same as **70%**

10 out of 20 is the same as .....**%**

b) Complete the sentence.

..... **out of** ..... is the same as **5%**

Now complete the sentence using **different** numbers.

..... **out of** ..... is the same as **5%**

KS3 Maths SATs, Tier 3-5, Paper 1 (2005) - Q15

Here is some information about A levels in 2002.

	English	Mathematics
Number of students	72 000	54 000
Percentage gaining grade A	19%	37%

How many more students gained grade A in mathematics than in English?

. . . .

2 marks

5. (a) Work out **5%** of **360**



1 mark

(b) Work out **15%** of **360**

You can use part (a) to help you.



1 mark

Modern Tuition

A newspaper printed this information about the world's population.

> If the world was a village of 100 people,
> **6 people** would have **59%** of the total wealth.
> The other 94 people would have the rest.

On average, **how many times** as wealthy as one of the other 94 people would one of these 6 people be?

.....

2 marks

Modern Tuition

A teacher said to a pupil:

> To the nearest per cent, $\frac{1}{6}$ is **17%**

The pupil said:

> So, to the nearest per cent, $\frac{2}{6}$ must be **34%**

Show that the pupil is **wrong**.

1 mark

Modern Tuition