

Percentages

"Per Cent" Means "Out of 100"

% is a short way of writing per cent.

So 20% is twenty per cent, which is 20 out of 100.

Some Common Ones You'd Better Know

Make sure you learn these because they come up all the time:

- $\frac{1}{2}$ is the same as 0.5, which is the same as 50%.
- $\frac{1}{4}$ is the same as 0.25, which is the same as 25%.
- $\frac{3}{4}$ is the same as 0.75, which is the same as 75%.
- 1 is the same as 1, which is the same as 100%.

Converting to decimals and fractions is easy. If you get some of these in your tests then you're laughing... if you've learnt how to do them.

Converting to Decimals Is Really Easy

% to Decimals

- 1) All you do is divide by 100.
- 2) Check out page 26 to see that that just means moving the digits two places to the right.
- 3) It's the easiest thing in the Universe.

Decimals to %

- 1) Is just the opposite.
- 2) So you times by 100.
- 3) That means all you have to do is move the digits two places to the left.
- 4) It's a doddle.

EXAMPLE:

- a) Convert 26% to a decimal.
- b) Convert 0.85 to a percentage.

ANSWER:

- a) $26\% = 26 \div 100 = 0.26$.
- b) $0.85 \times 100 = 85\%$.

ANOTHER EXAMPLE:

- a) 98% of cats like the taste of mouse.
Convert 98% to a decimal.

- b) 0.25 of mice like the taste of cat. Convert 0.25 to a percentage.

ANSWER:

- a) $98\% = 98 \div 100 = 0.98$.
- b) $0.25 \times 100 = 25\%$.

