

# 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%.
- $\frac{1}{1}$  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)  $0.25 \times 100 = 25\%$

