

**3.3. Ratio and proportion**

**Remember**

A proportion compares part to whole. It can be given as a fraction, as a decimal or as a percentage. 'What proportion?' means 'What fraction?', or 'What decimals?' or 'What percentage?'

Example:

1 in every 4 squares is pink.

1 in every 4 squares is white.



Sometimes fractions are used:  $\frac{1}{4}$  of the squares are pink or  $\frac{3}{4}$  of the squares are white.

There are 4 squares altogether.

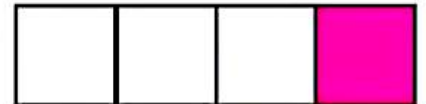
1 out of 4 squares is pink ( $\frac{1}{4}$ , 0.25, 25%).

3 out of 4 squares are white ( $\frac{3}{4}$ , 0.75, 75%).

A ratio compares part to part.

Example:

For every 3 white squares there is 1 pink square.



For every 1 pink square there are 3 white squares.

You are not required to use the words 'ratio' and 'proportion' at this stage.