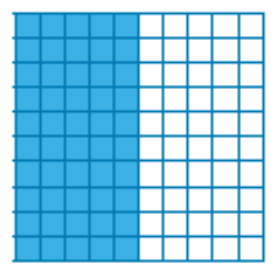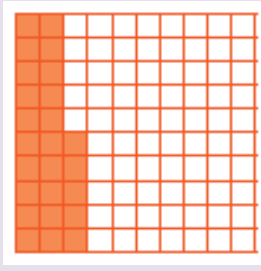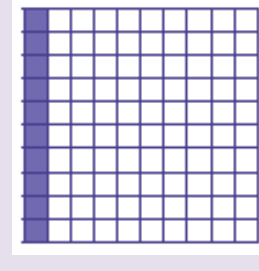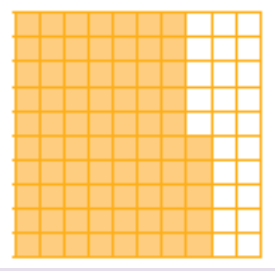## Equivalent Values

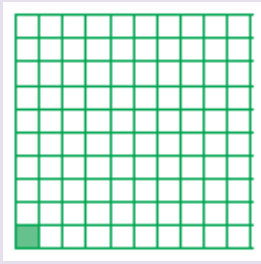$$\frac{5}{100} = \frac{5}{10} = 50\% = 0.5$$

$$\frac{25}{100} = \frac{1}{4} = 25\% = 0.25$$

$$\frac{10}{100} = \frac{1}{10} = 10\% = 0.1$$

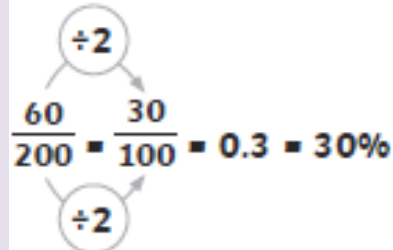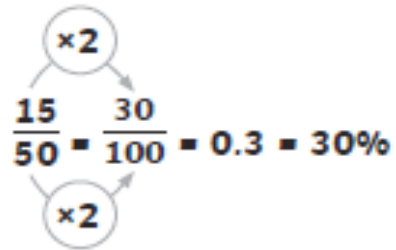$$\frac{75}{100} = \frac{3}{4} = 75\% = 0.75$$

$$\frac{1}{100} = 1\% = 0.01$$

This knowledge of equivalent values can be used to find percentage amounts

Vocabulary

'per cent' %	Number of parts per hundred Out of 100
whole	When using percentages, the whole represents 100%
convert	To change from one form to another
equivalent fraction	Fractions having the same value as decimals and percentages
equivalent decimal	Decimals having the same value as fractions and percentages

Converting fractions to percentages

$$\frac{15}{50} \xrightarrow{\times 2} \frac{30}{100} = 0.3 = 30\%$$

$$\frac{60}{200} \xrightarrow{\div 2} \frac{30}{100} = 0.3 = 30\%$$

Percentages of amounts

%	equivalent	eg
100%	1 whole	120
50%	½ of 100%	60
25%	¼ of 100%	30

%	equivalent	eg
10%	100% ÷ 10	12
5%	10% ÷ 2	6
1%	100% ÷ 100	1.2