Converting to a Percentage (x 100)

Exercise 1   In this exercise you will need to multiply by 100. Follow the steps below.

Steps
1   Write the fraction down.
2   Multiply by 100.
3   Look to divide the bottom into the top.
4   Multiply across the top.

1	3 out of 10	**2**	30 out of 50	**3**	9 out of 10
4	12 out of 20	**5**	6 out of 20	**6**	18 out of 50
7	15 out of 25	**8**	1 out of 10	**9**	19 out of 20
10	22 out of 25	**11**	13 out of 20	**12**	2½ out of 10
13	8 out of 20	**14**	19 out of 25	**15**	8½ out of 10

Working out a Percentage

Exercise 2   These are all 10% and 75%. For 75% it is useful to half and half again then multiply by 3.

Remember:	Percentage	Fraction	How to work out
	50%	½	÷ 2
	25%	¼	÷ 4 (or ÷ 2 ÷ 2)
	75%	¾	÷ 4 x 3
	10%	$\cdot\frac{1}{10}$	÷ 10

1	10% of £60	**2**	10% of £90	**3**	10% of £45
4	75% of £40	**5**	75% of £200	**6**	75% of £120
7	10% of £26	**8**	10% of £58	**9**	10% of £5
10	75% of £28	**11**	75% of £300	**12**	10% of £140
13	75% of £240	**14**	75% of £14	**15**	10% of £2.50

Exercise 3 - Mixed Problems

1   7 out of a group of 10 people are men. What percentage are men?
2   In a car park 7 out of 25 cars are red. What % of the cars are red?
3   A person loses 10% of their weight after a diet. If they weighed 74 kg how much weight did they lose?
4   Calculate 10% of 3600 people.
5   A pupil scored 16 out of 25 in Maths and 14 out of 20 in English. In which exam did the pupil do better?
6   Which is bigger 50% of £1,600 or 75% of £1200?
7   A film lasts for 60 minutes. If 18 minutes of the film has been played what % has been played?
8   The distance of a holiday trip is 320 miles. If the holidaymakers have travelled 25% of their journey how many miles have they left?
9   By considering 10% of £240 work out 30% of £240.
10   16 out of 50 cars in a car park are British. What % of the cars are not British?