| Calculator | Finding a Percentage | AT2 L6 |

Exercise 1 Convert to a %, round to **1 dp** where necessary.

1	17 out of 20	**2**	13 out of 25
3	36 out of 40	**4**	35 out of 80
5	21 out of 30	**6**	7 out of 15
7	33 out of 36	**8**	7½ out of 10
9	37 out of 60	**10**	13 out of 18

% Change:

$$\text{\% Change} = \frac{\text{increase}}{\text{original}} \times \mathbf{100}$$

Exercise 2 Calculate the % change and state whether it is a profit or loss.

1	£50 to £62	**2**	£20 to £23
3	£70 to £49	**4**	£60 to £72
5	£25 to £18	**6**	£10 to £2
7	£90 to £117	**8**	£25 to £40
9	£5 to £2	**10**	£150 to £120

Exercise 3   Mixed Problems

1 A person's wage increases from £50 a day to £62. Find the % increase in their wage.

2 A baby weighs 5 kg at birth. After 3 weeks the baby weighs 8 kg, find the % increase in the baby's weight.

3 A boy scores 22 out of 40 in a French test. What is his percentage?

4 A person weighing 60 kg goes on a diet and after weighs 51 kg. Find their % loss in weight.

5 An antique is bought for £200. Two years later it is sold for £295. Calculate the % profit made on the antique.

6 A class contains 28 pupils. 13 of the pupils are boys. What % of the pupils are girls?

7 The price of petrol increases from 80p to 88p per litre. Find the % increase.

8 A car park contains 136 cars. 44 of the cars are British made. What % of the cars are not British.

9 A house is bought for £50,000. A year later it is sold for £64,000. Calculate the % profit made on the house.

10 A car costs £2,000. After 1 year the car is worth £750. Find the % loss on the car.