Percentages

1) A department store is offering discounts of 10 % to customers who take a store card. Find the discount on items which cost :

a.) £230   b) £890   c) £184   d) £67

2) A call company is giving a 15 % loyalty discount to telephone customers.

Calculate the discount on a bill of :

a.) £50   b) £120   c) £114   d) £77

3) A cash'n'carry charge VAT at the rate of 20%. Calculate the VAT due on goods costing :

a.) £138   b) £104   c) £82   d) £36

4) A building society pays its savers a rate of 2 % interest per year on their savings accounts. Calculate how much **interest** would be paid on the following amounts at the end of one year :

a.) £10 000   b) £283   c) £170   d) £139

5) Calculate each of the following rounding your answers to the **nearest penny** where necessary :

a.) 75% of £38.17   b) 8% of £134.40   c) 12.5% of £240

6) Calculate the **percentage profit** on the following :

     (remember   actual profit ÷ cost price x 100)

	Cost price	Selling price
a	£75	£90
b	£24	£30
c	£180	£198

7) Mrs Smith buys 12 light bulbs and later finds 3 of them to be faulty.

What percentage are faulty ?

8) In a class survey it was found 27out of 30 pupils were wearing full uniform.

What percentage of the class were wearing full uniform ?

9) In a school of 720 pupils, 396 are boys.

What percentage are **girls** ?

10) Mike bought a used car in order to do it up for re-sale. After a month he sold the car for £3900 and had made a 30% profit.

How much did Mike pay for the car ?

Remember   100% + 30% = 130%   130% = £3900

                                                                 1%   = £3900 ÷ 1300

                                                                 100% =

11) The following items were bought and then re-sold on ebay for a profit.

Calculate the original cost price of each item (set out as Q 10)

a.) Golf club re-sold for £114 making a 20% profit on the cost price.

b.) Mobile phone was re-sold for £84 making a 12% profit on the cost price.

12) Alice wins some money and decides to spend £200 on some jewellery. If it **appreciates** at the rate of 2% per year, how much will the jewellery be worth 3 years from now ?

Mrs McLaughlin

Mr Mailley