0	9	3	1	7	2
2	2	1	8	5	0
5	7	4	7	0	9
5	3	0	0	0	7
1	3	2	6	0	2
2	1	9	3	2	0
3	5	8	7	4	9

Work out the answers to the questions then search for the answers in the grid

(Ignore any decimal points e.g. 42.7 becomes 427)

1. In a sale, all prices are reduced by 30%. The sale price of a jacket is £33.60 Work out the original price of the jacket.

2. The price of a new washing machine is £376 which includes Value Added Tax (VAT) at 17.5% Work out the cost of the washing machine before VAT was added.

3. Employees at a firm get a pay increase of 4% After the pay increase, Mel earns £24,960 How much did Mel earn before the pay increase?

4. Top Shop is having a 20% off sale and I have treated myself to a new handbag – it cost £40, how much was it before the sale?

5. A limited edition version of perfume contains 10% more than the normal bottle. The special bottle contains 88 ml. How much does the normal bottle contain?

6. The recent advert for Jaffa cakes makes the claim that the boxes are 24% bigger. The new boxes contain 31 biscuits, how many did it have before?

7. I want to sell vegetable boxes at a farmers market - the vegetables will cost me £7.60. How much would I need to sell them for to get 15% profit?

8. Christian invests some money in a bank account. Interest is paid at a rate of 8% per annum. After 1 year, there is £291.60 in the bank account. How much did Christian invest?

9. A new car drops in value by 30% in its first year. After a year, it is worth £8,400 what was the cost of the car?

10. Christian has bought some shares. The value of the shares fell by 4% since he purchased them and they are now worth £5200. What was their original value?

11. Fize has just reduced his personal best for the 100 m by 25% to 12.9 seconds. What was his previous personal best?

THINK YOU'VE NAILED IT? .....

How can you check your answers?

1. In a class there are 9 people out on a school trip to the Museum of Maths. This is 20% of the class.
    o   How many are there in the class when no one is off ill?

    o   How many are in the class today?

2. If 35% of an amount is £70 what is 100%?

3. On the 1st May the Museum of Maths increased it prices by 25% to £9 and visitors in May dropped by 8% to 55,476
    o   What was the price in April?

    o   How many visitors were there in April?

    o   Their costs haven't changed but the museum made 30% profit in May. How much profit did they make in May?

    o   How much profit did they make in April?

    o   Was it a good idea to raise the prices?