

# Maths Star

## Percentages Reminders!

Sometimes, if there are simple numbers involved, we can use less complicated methods of working with percentages. For example, if you want to find 25% of something, you know 25% is  $\frac{1}{4}$  so you can simply divide your quantity by 4!

Here is a list of percentages to remember:

$$10\% = \frac{1}{10} (= 0.1)$$

$$20\% = \frac{1}{5} (= 0.2)$$

$$25\% = \frac{1}{4} (= 0.25)$$

$$33\frac{1}{3}\% = \frac{1}{3}$$

$$50\% = \frac{1}{2} (= 0.5)$$

$$75\% = \frac{3}{4} (= 0.75)$$

So . . . let's see how it helps with questions!

- 1) To find 25% of 40, we find  $\frac{1}{4}$  of 40, which means dividing by 4, giving us 10
- 2) To find 50% of 70, we find  $\frac{1}{2}$  of 70, which means dividing by 2, giving us 35
- 3) To find 75% of 16, we find  $\frac{3}{4}$  of 16, which means we divide by 4, then times by 3, giving us:  $16 \div 4 = 4 \times 3 = 12$
- 4) To find 10% of any number, just divide it by 10 so 10% of 40 = 4 and 10% of 25 = 2.5

Using this rule can also work for all the multiples of 10:

To find 20%, divide by 10 and multiply by 2

To find 30%, divide by 10 and multiply by 3

To find 40%, divide by 10 and multiply by 4

. . . and so on!!