Maths Star

Percentage of a Quantity

There are various methods of finding the percentage of a quantity. The method taught most often in schools is as follows:

To find 30% of 25, first of all change both the percentage and the quantity into fractions, then multiply them together:

$$\frac{30}{100} \times \frac{25}{1} \qquad \text{we cancel:} \qquad \frac{30}{4} \times \frac{1}{1} = \frac{30}{4} = 7\frac{1}{2}$$

Sometimes, if it is a percentage we know, there are simpler methods. See the "Handy Percentages Reminders" sheet.

Try it yourself:

1) Find 15% of 100

2) Find 20% of 56

3) Find 36% of 75

4) Find 70% of 150

5) Find 22% of 45

6) Find 7% of 60

Handy ⭐ Hint: See the Maths Star 11+ Fractions page for reminders on how to multiply fractions with cancelling and how to change a top heavy fraction to a mixed fraction.