

Starter

1) Find  $\frac{3}{5}$  of 425.

$$\begin{array}{r} 085 \\ 5 \overline{)425} \\ \underline{425} \\ 0 \end{array} \quad \begin{array}{r} 85 \\ \times 3 \\ \hline 255 \end{array}$$

3) Calculate  $\frac{2}{3}$  of  $\frac{4}{5}$

$$\frac{2}{3} \times \frac{4}{5} = \frac{8}{15}$$

2) Solve for T:  $3 + T = 2T - 5$

$$\begin{array}{l} 3 + T = 2T - 5 \\ -3 \quad -3 \\ \hline T = 2T - 8 \\ -2T \quad -2T \\ \hline -T = -8 \\ T = 8 \end{array}$$

4) Factorise  $18g + 36$

$$18(g+2)$$

**Today's Learning:**

To round using decimal places and significant figures.

Rounding and Significant Figures 6/6/17

Round to a certain decimal place by looking at the **next** number. If it's 5 or above, "give it a shove" (round up).

e.g. 1) Round to 1 decimal place:

a) 2.357  $\rightarrow$  2.4      b) 2.32  $\rightarrow$  2.3      c) 2.993  $\rightarrow$  3.0

2) Round to 2 decimal places:

a) 3.18463  $\rightarrow$  3.18      b) 2.089  $\rightarrow$  2.09

3) Round to 3 significant figures:

a) 34.567  $\rightarrow$  34.6      b) 20.156  $\rightarrow$  20.2      c) 0.00214583  $\rightarrow$  0.00215

In **3.25**, there are **3 significant figures**. 3 is the first one.

In **0.0042** there are **2 significant figures**. 4 is the first one.

$$350,000$$

In **3053** there are **4 significant figures**. 3 is the first one. The 0 counts as it is in the middle of other numbers.