



7th February

45% of 1,300

$$\begin{aligned} 10\% &= 130 \\ 40\% &= 520 \\ 5\% &= 65 \end{aligned} +$$

585

$$\frac{3}{4} + \frac{1}{5}$$

$$\frac{15 + 4}{20}$$

$\frac{19}{20}$

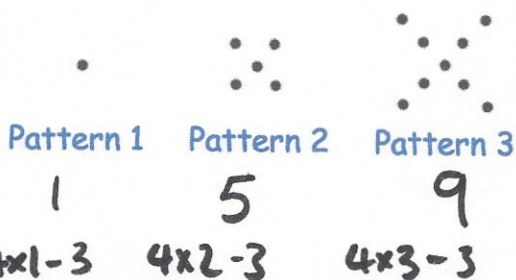
25% of the children in a school have a dog.

10% of the children who have a dog also have a cat.

There are 12 children who have both a dog and a cat.

How many children go to the school?

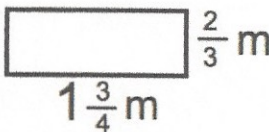
$$\begin{aligned} 10\% + 25\% &= 2.5\% \\ 2.5\% &= 12 \text{ children} \\ 25\% &= 120 \text{ children} \\ \therefore & \underline{480 \text{ children}} \end{aligned}$$



Which pattern uses 77 dots?

$$\begin{aligned} 4n - 3 &= 77 \\ 4n &= 80 \\ n &= \underline{\underline{20}} \end{aligned}$$

Jessica wants to attach fairy lights around the top of her wardrobe. She has $\frac{5}{4}$ m of ribbon



$$\frac{1 \frac{3}{4}}{\frac{5}{4}} = \frac{7}{5}$$

How much more ribbon does she need?

$$\begin{aligned} \frac{7}{4} + \frac{2}{3} &= \frac{21 + 8}{12} = \frac{29}{12} \\ \times 2 &= \frac{29}{6} = 4 \frac{5}{6} \\ \text{she needs } & \underline{\underline{\frac{5}{6} \text{ metre}}} \end{aligned}$$