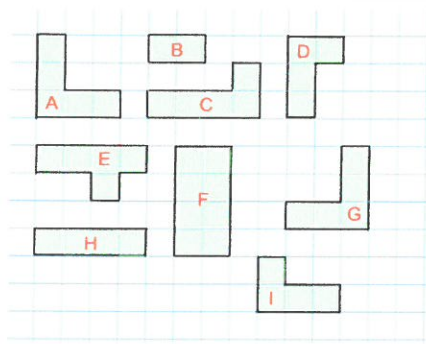


22nd January



Corbettmaths



Find a shape that is mathematically similar to B

F
(scale factor 2)

Express 20p as a fraction of £5

$$\begin{aligned} \text{£}5 &= 500\text{p} \\ \frac{20}{500} &= \frac{2}{50} = \frac{1}{25} \end{aligned}$$

Write 0.065 as a fraction

$$0.065 = \frac{65}{1000} = \frac{13}{200}$$

There are only blue and red sweets in a bag.
The ratio of blue sweets to red sweets is 5:3

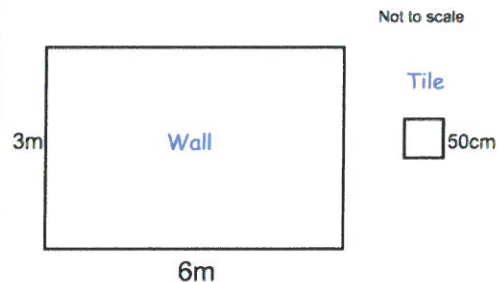
What fraction of the sweets are red?

$$\begin{aligned} b : r \\ 5 : 3 \\ 5 + 3 = 8 \\ \text{red } \frac{3}{8} \end{aligned}$$

Fiona drives for 4 hours.
Her average speed is 25.5 mph.

How far does Fiona drive?

$$\begin{aligned} D &= S \times T \\ D &= 4 \times 25.5 \\ D &= 102 \text{ miles} \end{aligned}$$



$$\begin{aligned} \text{Length } 600\text{cm} \div 50 &= 12 \\ \text{width } 300\text{cm} \div 50 &= 6 \\ \text{No of tiles} &= 12 \times 6 = 72 \\ 72 \times \text{£}4 &= \text{£}288 \end{aligned}$$

Mollie is tiling her bathroom wall.
The wall is 6m by 3m.
Each square tile is 50cm by 50cm.
Each tile cost £4.

Calculate the cost of tiling the wall.