

1. Complete the method to write 40% in simplest form.

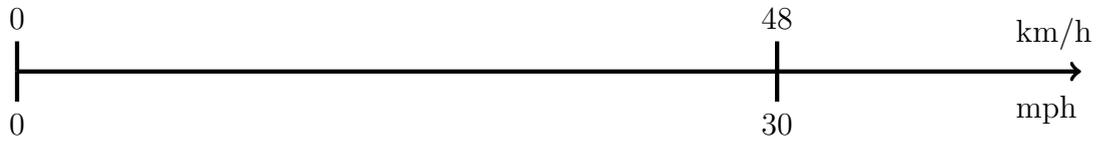
$$40\% = \frac{\quad}{100} = \frac{\quad}{10} = \frac{\quad}{5}$$

2. The speed limit for a farm track is 15 miles per hour.

What is this speed limit in kilometres per hour?

Use 30 mph (miles per hour) equals 48 km/h (kilometres per hour).

You may use this proportional line.



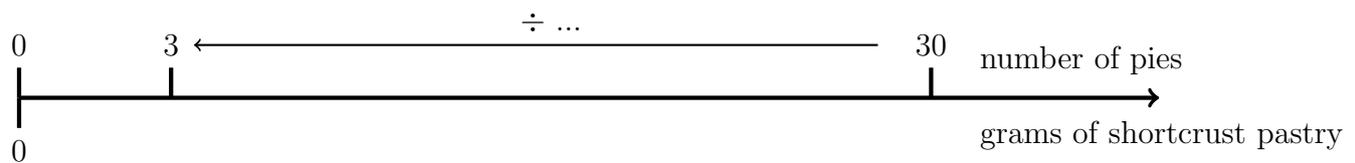
..... km/h

3. Here is the list of ingredients for making 30 homity pies.

Homity pies		
Ingredients to make 30 pies		
1500	g	shortcrust pastry
1800	g	potatoes
2200	g	onions
750	g	flour
250	ml	oil
150	g	butter
500	g	cheese

Devesh is going to make 3 homity pies.

(i) Complete the  $\leftarrow$  divide factor for this proportional line.



(ii) Work out how many grams of shortcrust pastry he should use.

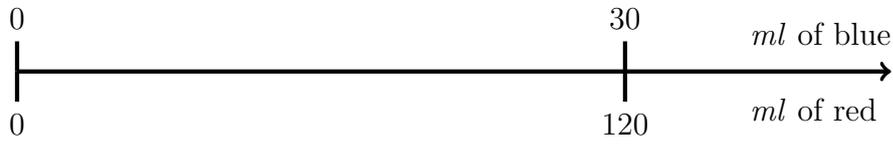
..... grams

4. **Perfect purple** paint is made by mixing 120 *ml* of red paint with 30 *ml* of blue paint.

Theo has 30 millilitres of red paint.

How many millilitres of blue paint should he use to make perfect purple?

You may use this proportional line.



..... *ml*

5. The measurements of a sofa are given in this table.

$\div 20$



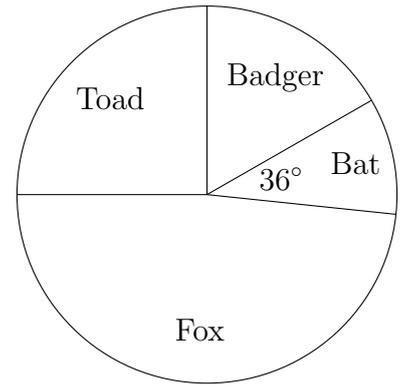
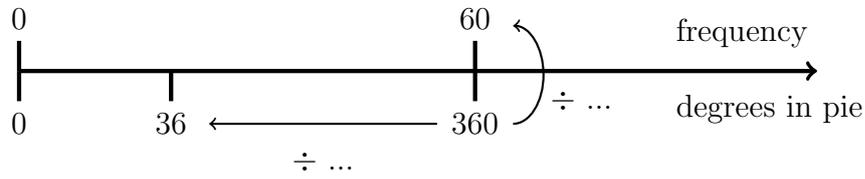
	real life	scale model
Width	180 cm	9 cm
Depth	100 cm	
Height	80 cm	

Complete the measurements of the scale model in the table.

6. The pie chart shows the last wild creature that 60 people living in Purley had last seen.

How many people last saw a bat?

You may use this proportional line.



6. ....

## Answers

1.  $\frac{2}{5}$
2. 24 km/h
3. (i) 10 (ii) 150 grams
4. 7.5 *ml*
5. depth 5 cm  
height 4 cm
6. 6