1. Complete the method to write $\dfrac{56}{32}$ in simplest form.
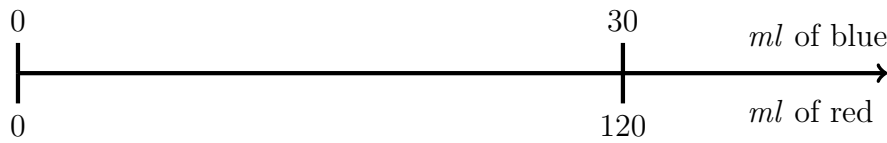
$$\dfrac{56}{32} = \dfrac{\quad}{16} = \dfrac{\quad}{8} = \dfrac{\quad}{4}$$

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

   Zuzanna has 15 millilitres of blue paint.
   How many millilitres of red paint should she use to make perfect purple?
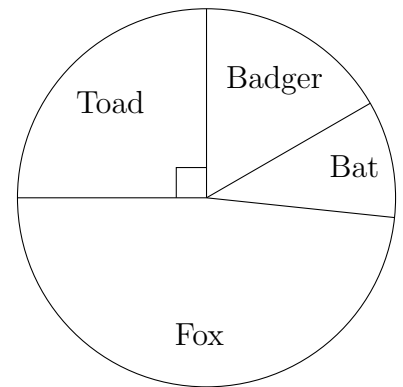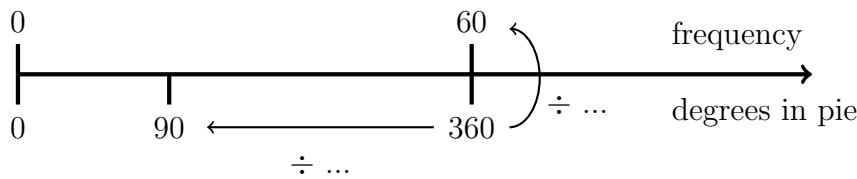
   You may use this proportional line.

   .... ml

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

   How many people last saw a toad?

   You may use this proportional line.

   3. ....

4. The measurements of a wardrobe are given in this table.

	real life	scale model
Width	100 cm	5 cm
Depth	60 cm	
Height	200 cm	

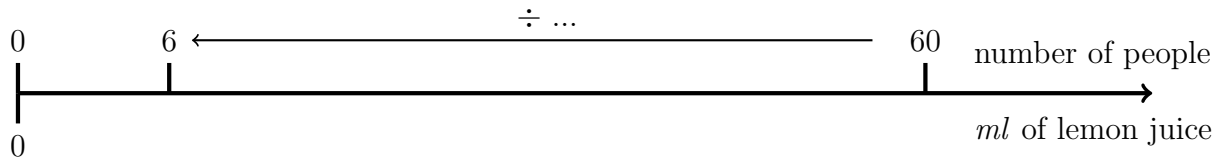   Complete the measurements of the scale model in the table.

   Answers Q1: $\dfrac{7}{4}$ Q2: 60 ml Q3: 15   Q4: depth 3 cm and height 10 cm

5. Here is the list of ingredients for making lemon and garlic chicken for 60 people.

Lemon and Garlic Chicken
Ingredients for 60 people

60		chicken breast fillets
300	g	butter
600	ml	water
10		chicken stock cube
200	ml	lemon juice

Suma is going to make lemon and garlic chicken for 6 people.

(i) Complete the ← divide factor for this proportional line.

$$\div \text{...}$$

0   6 ←————————————————————— 60   number of people

0   ml of lemon juice

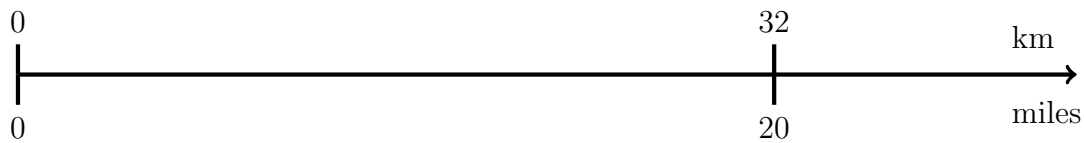(ii) Work out how many millilitres of lemon juice she should use.

.... ml

6. The distance to Stefan's school is 5 miles.

What is this distance in kilometres?

Use 20 miles equals 32 kilometres.

You may use this proportional line.

0   32   km

0   20   miles

.... km

7. Complete the method to write 20% in simplest form.

$$20\,\% = \frac{\quad}{100} = \frac{\quad}{10} = \frac{\quad}{5}$$

Answers Q5: (i) 10 (ii) 20 ml   Q6: 8 km   Q7: $\frac{1}{5}$