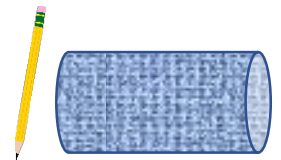1) In a pack of football stickers, the ratio of normal stickers to special edition stickers is 8:2.

Daniel has 10 special edition stickers. How many normal stickers does he have?

2)The shop where the school order their pencils from has a deal. For every 80 pencils you order, you get a free pencil case. The school orders 600 pencils. How many pencil cases will they get?
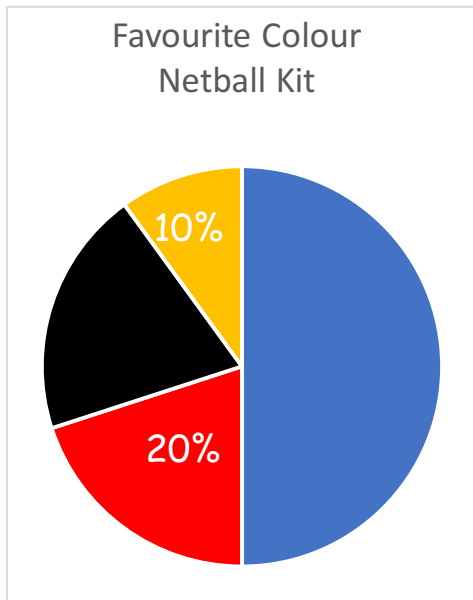
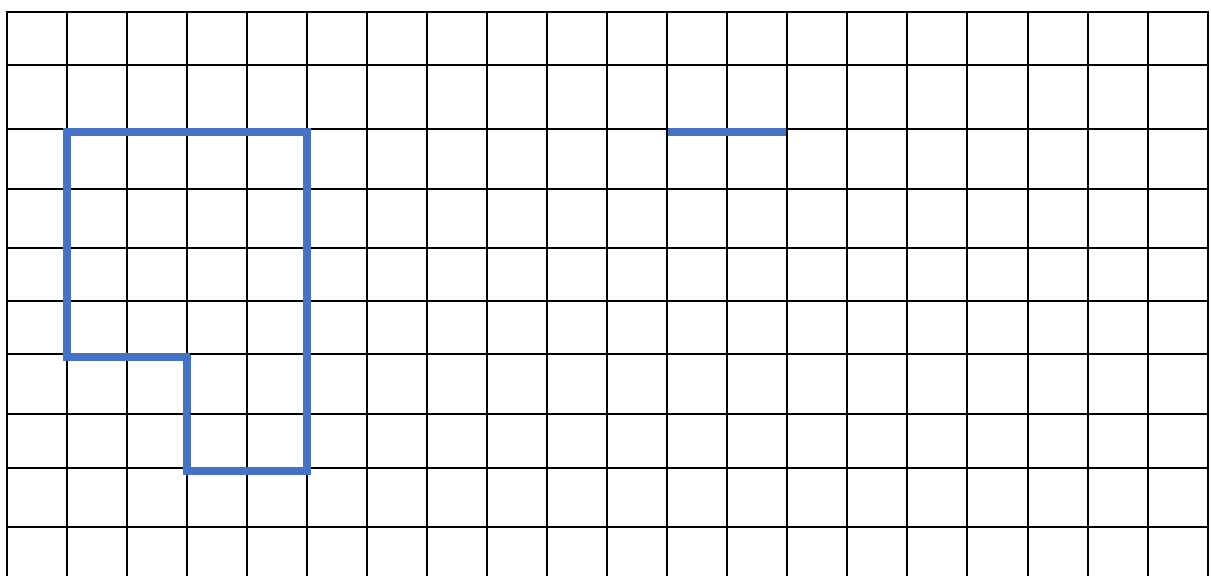3) Answer these questions

a) 75% of 600 =

b) 32% of £30.00

c) 15% x 320

4) The school netball team asked year 5 children to vote for their favourite colour kit so that they could wear a new uniform. In year 5 there are 90 children.
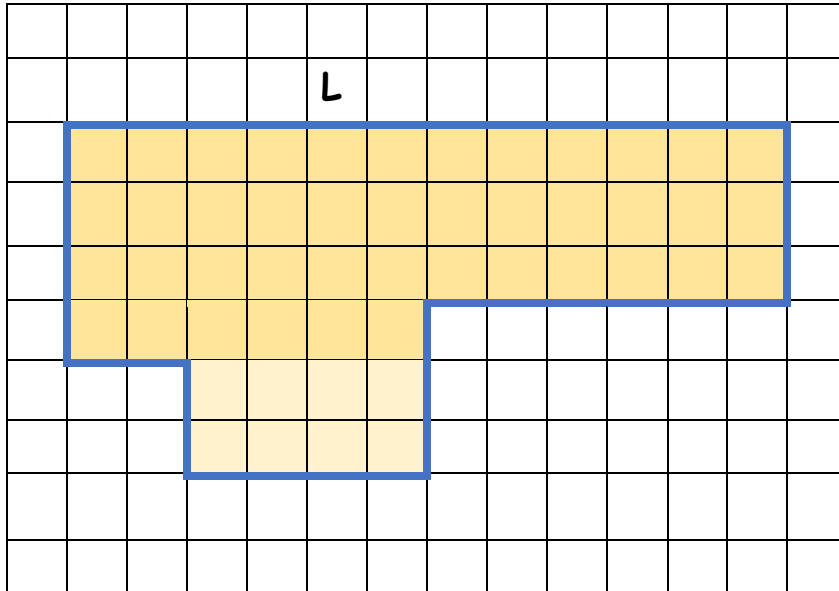
How many children voted for black uniform?

Favourite Colour Netball Kit

10%

20%

5) The design below is too large. Decrease the size of it using the scale factor 2:1. One line has been created to help you.
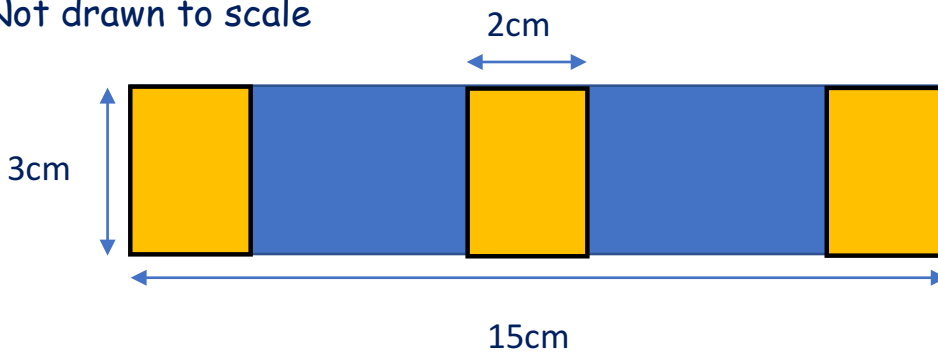
6) Here is a plan of a monkey enclosure in a zoo.
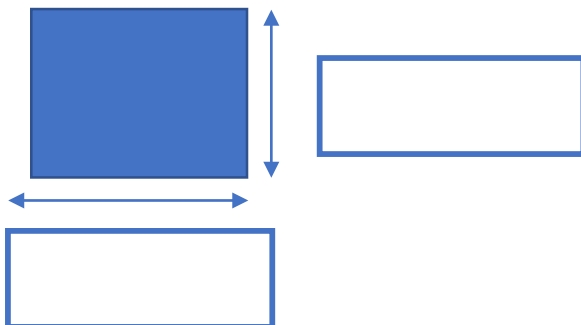Use the scale factor to help you to work out the missing length.

=5m

L

L=

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7) This design has been created using 3 identical rectangles.
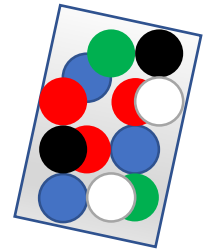
Not drawn to scale

2cm

3cm

15cm

Fill in the missing amounts

8) Sophie buys a bag of counters. There are 50 in the bag.

There **14 red** counters, **8 green** counters, **twice the number of blue** counters than green counters and the **same amount** of **black and white counters**.

How many white counters are there?

White =

9) A family of 3 have the combined age of 69 years.

Darcey is 29 years younger than mum.
Dad is 2 years older than mum.

How old is each person?

Darcey=   Mum=   Dad=

10) David wants to make a banana smoothie. The recipe that he has makes 750 ml of smoothie. He wants to make 1 litre.
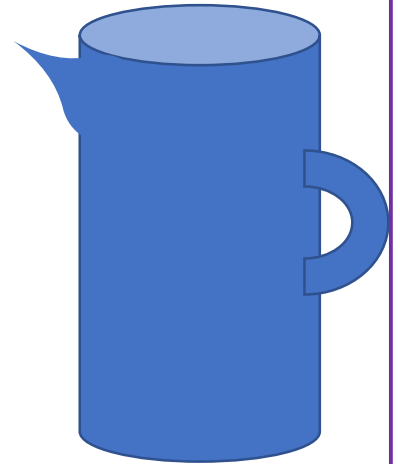
Banana Smoothie

makes 750 ml

3 bananas

90g porridge oats

6 tablespoons natural yoghurt

600ml of water

10a) How many bananas does he need?

10b) How much water does he need?