

Ratio & Proportion

Year 6

Solving problems

(6R1/6R4)



Sapna and Robbie
have some biscuits.

Altogether they have **14** biscuits.

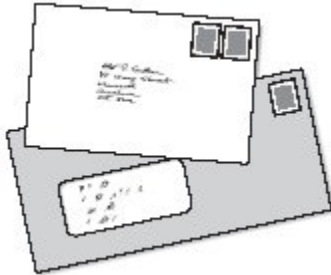
Sapna has **2 more** biscuits than Robbie.

How many biscuits do Sapna and Robbie each have?

Sapna

Robbie

Two letters have a total weight of **120 grams**

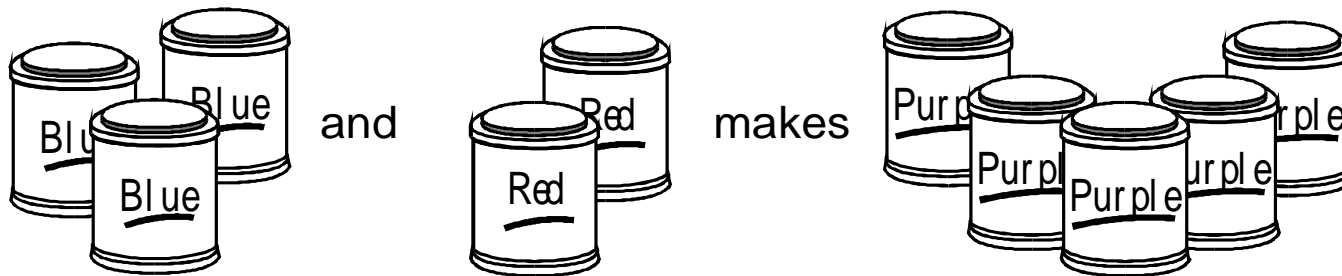


One letter weighs **twice as much** as the other

Write the weight of the **heavier** letter.

g

Purple paint is made by mixing blue and red paint.



Use the picture to work out the missing numbers.

For **25 tins** of purple paint

you need tins of blue paint and tins of red paint

David and his friends prepare a picnic.

Each person at the picnic will get:

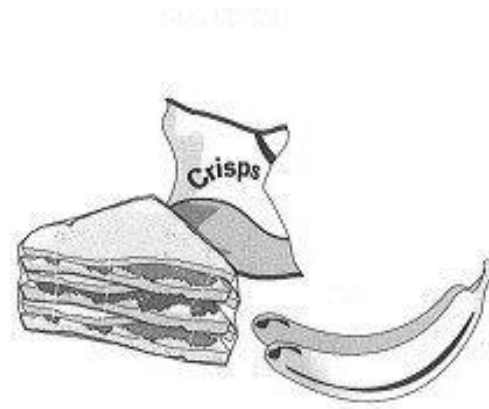
3 sandwiches

2 bananas

1 packet of crisps

The children pack **45** sandwiches.

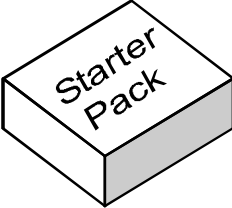
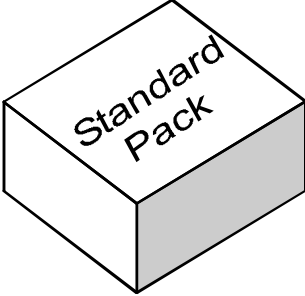
How many **bananas** do they pack?



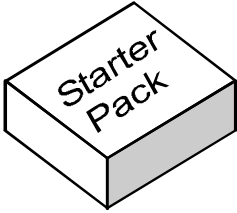
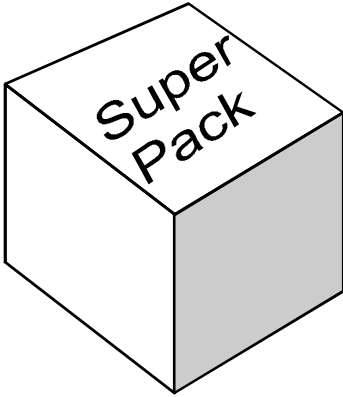
Toy building kits come in three sizes.

The **ratio** of **bricks** to **doors** is the **same** in each pack.

How many doors are there in a standard pack?

	
30 bricks 2 doors	90 bricks doors

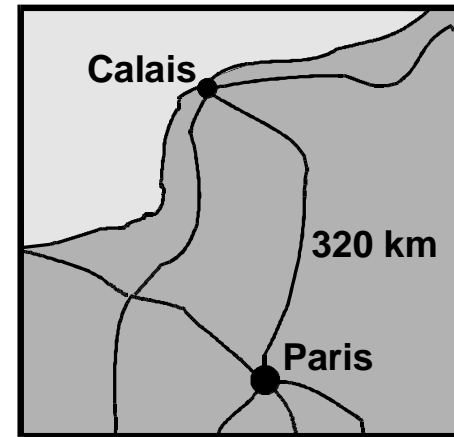
Work out how many **bricks** there are in a Super pack.

	
30 bricks 2 doors bricks 11 doors

Here is a map of part of France.

The map shows that the distance from Calais to Paris is **320 kilometres**.

5 miles is approximately **8 kilometres**.



Use these facts to calculate the approximate distance in **miles** from Calais to Paris.

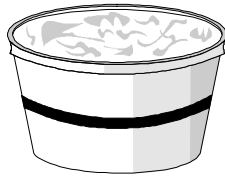


Cheddar cheese costs £7.50 for 1kg

Marie buys 200 grams of cheddar cheese.

How much does she pay?

£



Cream cheese costs £3.60 for 1kg.

Robbie buys a pot of cream cheese for 90p.

How many grams of cream cheese does he buy?

- How many biscuits do Sapna and Robbie each have? = Sapna - 8
Robbie – 6
- Write the weight of the **heavier** letter = 80g
- For **25 tins** of purple paint you need 15 tins of blue paint and 10 tins of red paint
- How many **bananas** do they pack? = 30 bananas
- How many doors are there in a standard pack? = 6
- Work out how many **bricks** there are in a Super pack = 165
- Use these facts to calculate the approximate distance in **miles** from Calais to Paris = 200
- How much does she pay? = £1.50
- How many grams of cream cheese does he buy? = 250g