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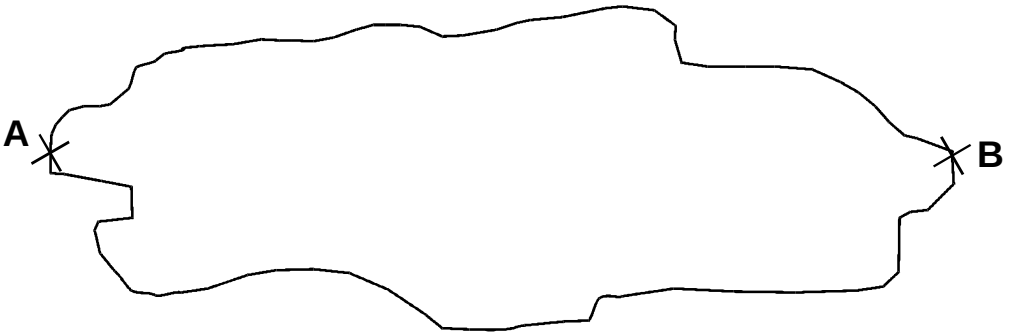
Ratio KS2 SATS Standard Worksheet

1. This is a scale drawing of a pond.

Scale

1cm to 2m



(a) **Use a ruler** to measure the distance across the drawing from A to B

cm

1 mark

(b) **Use the scale** to work out the **actual distance** across the pond from A to B.

m

1 mark

2.



Sapna and Robbie have some biscuits.

Altogether they have **14** biscuits.

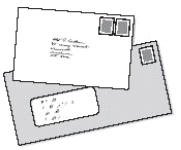
Sapna has **2 more** biscuits than Robbie.

How many biscuits do Sapna and Robbie each have?

Sapna ☐ **Robbie** ☐

1 mark

3. 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**

1 mark



4. Peanuts cost **60p** for **100 grams**.

What is the cost of **350 grams** of peanuts?

Show your **working**. You may get a mark.

2 marks

Raisins cost **80p** for **100 grams**.

Jack pays **£2** for a bag of raisins.

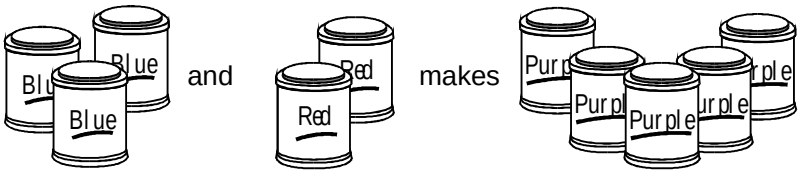
How many **grams of raisins** does he get?

Show your **working**. You may get a mark.

g

2 marks

5. Purple paint is made by mixing blue and red paint.



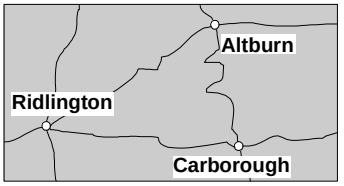
Use the picture to work out the missing numbers.

For **25 tins** of purple paint you need ..... tins of blue paint

and ..... tins of red paint.

1 mark

6. This map has a scale of **1 centimetre to 6 kilometres.**



The road from Ridlington to Carborough measured **on the map** is **6.6cm** long.

What is the length of the road in **kilometres?**

km

2 marks

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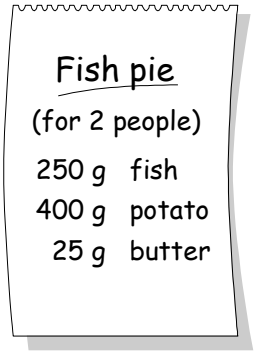
7. Here are the ingredients for fish pie for **two people.**



Omar makes fish pie for **3 people.**

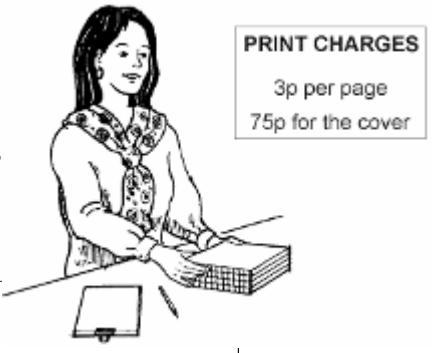
How many **grams of fish** should he use?

Show your **method**. You may get a mark

g

2 marks

8. Mrs Jones prints books.



Jon pays **£4.35** for his book, **including the cover**

How many **pages** are in his book?

Show your **method**. You may get a mark

2 marks

Here are the print prices again.

3p per page and 75p for the cover.

Write a formula for the **total cost** of printing a book with cover.

t stands for the total cost in pence.

Use **n** for the number of pages.

t =

2 marks

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9. Rectangle **ABCD** has a perimeter of **24 centimetres**.

Sides AB and DC are **twice as long** as sides AD and BC.



Not actual size

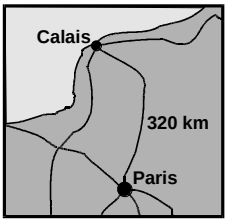
Calculate the length of side **AD**.

Do **not** use a ruler.

cm

1 mark

10. 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.

Show your **method.** You may get a mark.

miles

2 marks

Samira bought this present in France.

44.85 FF



She paid **44.85 French Francs** for it.

9.75 French Francs equal **£1**

What was the cost of the present in **pounds and pence?**

Show your **method.** You may get a mark.

£

2 marks

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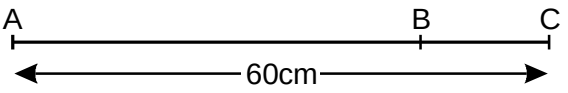
11.

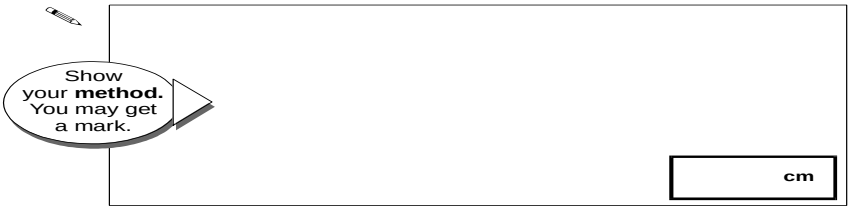


Not drawn to scale

The distance from **A to B** is three times as far as from **B to C**.

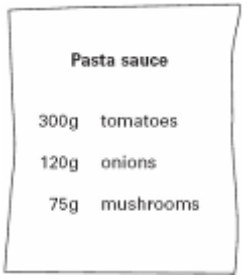
The distance from **A to C** is **60 centimetres**.

Calculate the distance from **A to B**.



2 marks

12. Here is a recipe for pasta sauce.



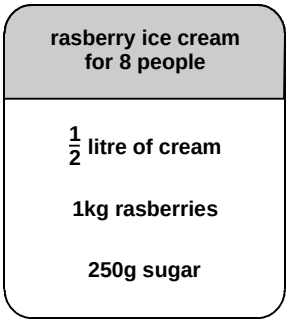
Josh makes the pasta sauce using **900g** of **tomatoes**.

What weight of **onions** should he use?

g

1 mark

13. Here is a recipe for raspberry ice cream.





This recipe is for **8 people**.

Josie makes enough raspberry ice cream for **12 people**.

How much **cream** does she use?

litre

1 mark

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Fred makes raspberry ice cream in the same way.

He uses **2½ kg** of **raspberries**.

How much **sugar** does he use?

Show your **method.** You may get a mark.

g

2 marks

14.



Sapna makes a fruit salad using bananas, oranges and apples.

For every one banana, she uses 2 oranges and 3 apples.

Sapna uses 24 fruits.

How many **oranges** does she use?

Show your **working.** You may get a mark.

oranges

2 marks

15. Mari is the presenter of a weekly radio show.



She plays **five** new songs for every **two** old songs.

Last week she played 15 **new** songs.

How many songs did she play **altogether**?

Show your **working.** You may get a mark.

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16.



Every **100g** of brown bread contains **6g** of fibre.

A loaf of bread weighs 800g and has 20 equal slices.

How much fibre is there in **one** slice?

Show your **method**. You may get a mark.

g

2 marks

17. **30** children are going on a trip.



It costs **£5** including lunch.

Some children take their own packed lunch.

They pay only **£3**

The 30 children pay a total of **£110**

How many children are taking their own packed lunch?

Show your **method.** You may get a mark.

children

2 marks

18. Cheddar cheese costs £7.50 for 1kg.

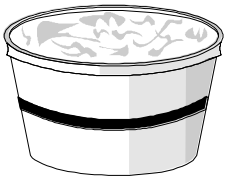


Marie buys 200 grams of cheddar cheese.

How much does she pay?

1 mark

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?