

LO: To answer SAT style questions (bronze)



1.) Sapna and Robbie have some biscuits.

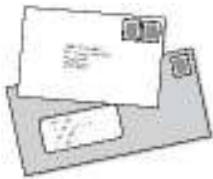
Altogether they have **14** biscuits.

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

How many biscuits do Sapna and Robbie each have?

Sapna Robbie

2.) 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.

||

3.) Peanuts cost **60p** for **100 grams**.

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

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

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

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

4.) These are the prices of cheese in a shop.



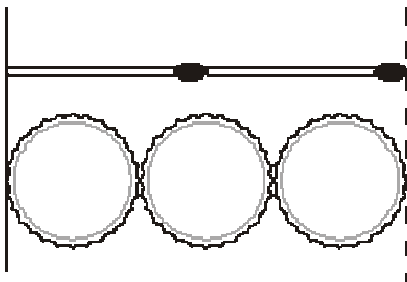
Mina buys **200g** of Cheddar cheese and **150g** of Edam cheese.

How much does she pay altogether?

Seb buys some cottage cheese for £1.35.

How many grams of cottage cheese does he get?

5.) Two matchsticks have the same length as three bottle tops.



How many bottle tops will have the same length as 50 matchsticks?

6. 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.

LO: To answer SAT style questions (silver)

Q1. In a zoo, the adult polar bear weighs three times more than the baby elephant.



polar bear



elephant

Together they weigh **700** kilograms. How much does the polar bear weigh?

Q2.

This pie chart shows the ingredients to make a food mixture for wild birds.



Estimate the **percentage** of mixture that is suet.

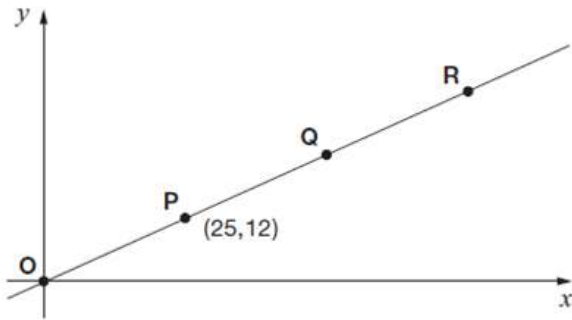
Mina uses 100 grams of millet in the mixture. Estimate how many grams of sunflower seeds she should use.

Q3.

A gardener plants tulip bulbs in a flower bed. She plants 3 red bulbs for every 4 white bulbs. She plants 60 red bulbs.

How many **white** bulbs does she plant?

Q4. Here is a line on coordinate axes.

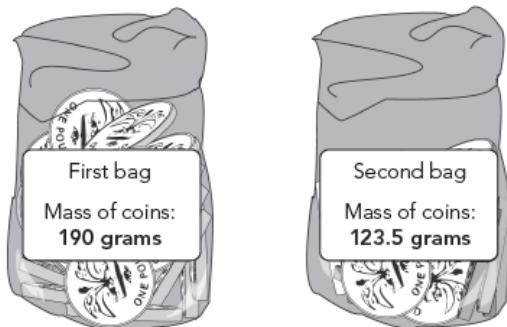


Points **O**, **P**, **Q** and **R** are equally spaced.

The coordinates of **P** are (25,12).

What are the coordinates of **R**?

Q5. Here are two plastic bags of £1 coins.



The **first** bag contains **20** £1 coins.

How many £1 coins does the **second** bag contain?

Q6. A 5p coin has a diameter of 1.8 centimetres.
Holly makes a straight line of 5p coins worth £10



How long is Holly's line?
Give your answer in **metres**.

Q7.

There are 25 children in the lunch queue, including Nik.

Nik says,

'There are twice as many children in front of me as there are behind me.'

How many children are **in front** of Nik?

LO: To answer SAT style questions (gold)

Q1. A recipe for fruit squash is

<i>oranges (chopped)</i>	<i>300 g</i>
<i>lemonade</i>	<i>1500 ml</i>
<i>orange juice</i>	<i>750 ml</i>
<i>makes enough for 6 people</i>	

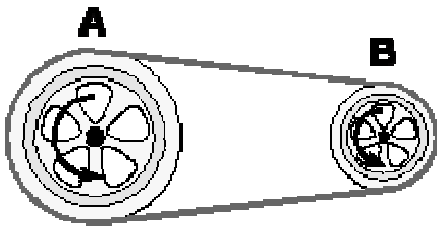
Trina wants to make enough squash for **10 people**.

How many millilitres of **lemonade** will she need?

Brian is using **2 litres of orange juice** and follows the same recipe.

How many people is this enough for?

Q2. A and B are two chain wheels on a bike.



For every **2 complete turns** that wheel A makes, wheel B makes **5 complete turns**.

If wheel A makes **150 turns**, how many turns will wheel B make?

If wheel B makes **90 turns**, how many turns will wheel A make?

3. Susan mixes red and blue paint to make purple.



2 parts of red paint with 3 parts of blue paint make purple.

Susan has **50 ml of red** and **100 ml of blue**.

What is the **maximum** amount of purple she can make?

Q4. Children were asked to choose between a safari park and a zoo for the school trip.

They had a vote.

The result was a ratio of **10:3 in favour** of going to a **safari park**.

130 children voted **in favour** of going to a **safari park**.

How many children voted **in favour** of going to the **zoo**?

.Q5 Here is a recipe for fruit smoothies.

Recipe
10 strawberries
$\frac{1}{2}$ litre of orange juice
250ml yogurt
1 banana
<i>Makes two smoothies</i>



Stefan uses the recipe to make smoothies.

He uses 1 litre of yogurt.

How many strawberries does he use?

Amir uses the same recipe.

He wants to make 5 smoothies.

He has 1 litre of orange juice.

How many **more** millilitres of orange juice does he need?

LO: To answer SAT style questions (bronze)-answers



3.) Sapna and Robbie have some biscuits.

Altogether they have **14** biscuits.

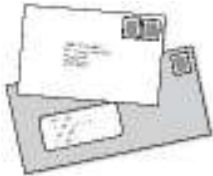
Sapna has **2 more** biscuits than Robbie.

How many biscuits do Sapna and Robbie each have?

Sapna = **8**

Robbie = **6**

4.) 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. **80g**

||

3.) Peanuts cost **60p** for **100 grams**.

What is the cost of **350 grams** of peanuts? **£2.10**

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

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

How many **grams of raisins** does he get? **250g**

6.) These are the prices of cheese in a shop.



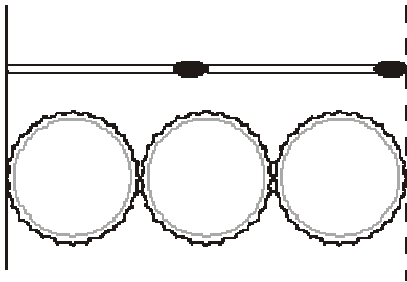
Mina buys **200g** of Cheddar cheese and **150g** of Edam cheese.

How much does she pay altogether? **£2.63**

Seb buys some cottage cheese for £1.35.

How many grams of cottage cheese does he get? **300g**

7.) Two matchsticks have the same length as three bottle tops.



How many bottle tops will have the same length as 50 matchsticks? **75**

6. 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**15**..... tins of blue paint

and**10**..... tins of red paint.

LO: To answer SAT style questions (silver)

Q1. In a zoo, the adult polar bear weighs three times more than the baby elephant.



polar bear



elephant

Together they weigh **700** kilograms. How much does the polar bear weigh? **525kg**

Q2.

This pie chart shows the ingredients to make a food mixture for wild birds.



Estimate the **percentage** of mixture that is suet. **15-24%**

Mina uses 100 grams of millet in the mixture. Estimate how many grams of sunflower seeds she should use.

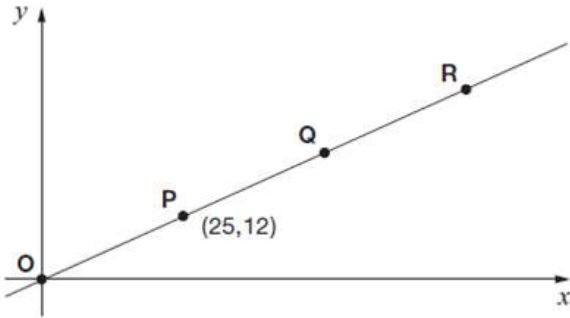
200-400g

Q3.

A gardener plants tulip bulbs in a flower bed. She plants 3 red bulbs for every 4 white bulbs. She plants 60 red bulbs.

How many **white** bulbs does she plant? **80**

Q4. Here is a line on coordinate axes.



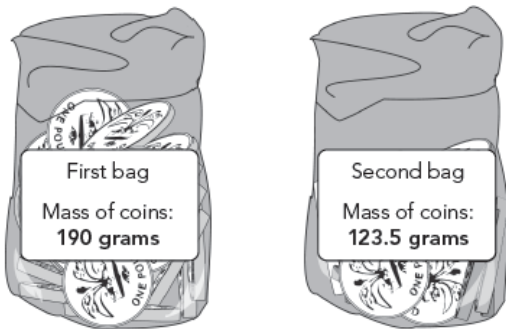
Points **O**, **P**, **Q** and **R** are equally spaced.

The coordinates of **P** are (25,12).

What are the coordinates of **R**?

(75,36)

Q5. Here are two plastic bags of £1 coins.



The **first** bag contains **20** £1 coins.

How many £1 coins does the **second** bag contain?

13

Q6. A 5p coin has a diameter of 1.8 centimetres.
Holly makes a straight line of 5p coins worth £10



How long is Holly's line?

Give your answer in **metres**. **3.6m**

Q7.

There are 25 children in the lunch queue, including Nik.

Nik says,

'There are twice as many children in front of me as there are behind me.'

How many children are **in front** of Nik? **16**

LO: To answer SAT style questions (gold) -answers

Q1. A recipe for fruit squash is

<i>oranges (chopped)</i>	<i>300 g</i>
<i>lemonade</i>	<i>1500 ml</i>
<i>orange juice</i>	<i>750 ml</i>
<i>makes enough for 6 people</i>	

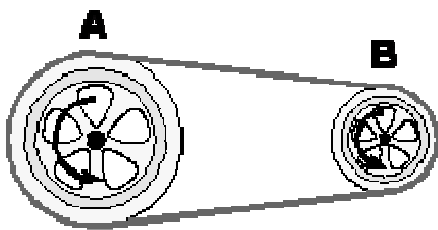
Trina wants to make enough squash for **10 people**.

How many millilitres of **lemonade** will she need? **2500ml**

Brian is using **2 litres of orange juice** and follows the same recipe.

How many people is this enough for? **16 people**

Q2. A and B are two chain wheels on a bike.



For every **2 complete turns** that wheel A makes, wheel B makes **5 complete turns**.

If wheel A makes **150 turns**, how many turns will wheel B make? **375**

If wheel B makes **90 turns**, how many turns will wheel A make? **36**

3. Susan mixes red and blue paint to make purple.



2 parts of red paint with 3 parts of blue paint make purple.

Susan has **50 ml of red** and **100 ml of blue**.

What is the **maximum** amount of purple she can make? **125ml**

Q4. Children were asked to choose between a safari park and a zoo for the school trip.

They had a vote.

The result was a ratio of **10:3 in favour** of going to a **safari park**.

130 children voted **in favour** of going to a **safari park**.

How many children voted **in favour** of going to the **zoo**? **39**

.Q5 Here is a recipe for fruit smoothies.

Recipe	
10	strawberries
$\frac{1}{2}$	litre of orange juice
250ml	yogurt
1	banana
<i>Makes two smoothies</i>	



Stefan uses the recipe to make smoothies.

He uses 1 litre of yogurt.

How many strawberries does he use?

40

Amir uses the same recipe.

He wants to make 5 smoothies.

He has 1 litre of orange juice.

How many **more** millilitres of orange juice does he need? **500ml**