

1.



Bottle of milk
39p



cake
29p

Ben buys **three** bottles of milk and **six** cakes.

How much does he spend altogether?

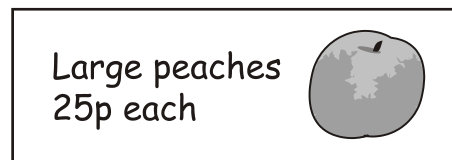


Show
your **method**.
You may get
a mark.

£

2 marks

2.



Emily has £5 to spend on peaches.

She decides to buy only small peaches or only large peaches.

How many **more** small peaches than large peaches can she buy for £5?



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

2 marks

3. Kate has a piece of ribbon **one metre** long.

She cuts off 30 centimetres.



How many centimetres of ribbon are left?

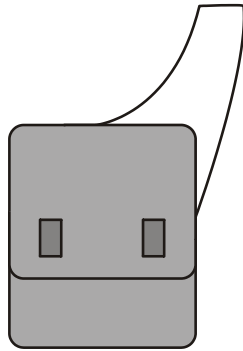


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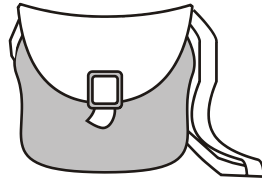
 cm

1 mark

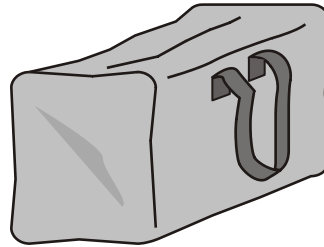
4. Here are three bags in a shop



A
£11.50



B
£14.65



C
£16.50

How much does bag B cost to the nearest pound?



£

1 mark

Jamie buys bag A and bag C.

How much change does he get from £40?



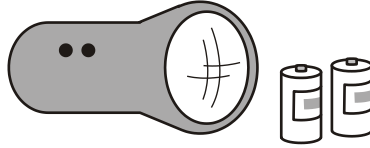
Show
your **working**.
You may get
a mark.

£

2 marks

5. A torch costs £7.65

Kate buys a torch and **two** batteries.



She pays £8.75 altogether.

How much does **one** battery cost?



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

£

2 marks

6. A shop sells notebooks and pens.



Hassan bought **a notebook** and **a pen**.

He paid **£1.10**

Kate bought **a notebook** and **2 pens**.

She paid **£1.45**

Calculate the cost of **a notebook**.



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



2 marks

7. Here are some amounts of money.

Circle **all** the amounts that can be made with **three** coins.



71p

72p

73p

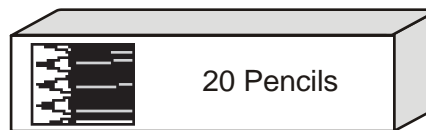
74p

75p

1 mark

8. 50 children need **two** pencils each.

There are 20 pencils in a box.



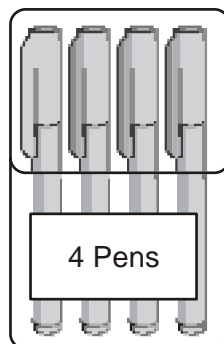
How many boxes of pencils are needed?



boxes

1 mark

50 children need **one** pen each.



Pens are sold in packs of 4

How many packs of pens need to be bought?



packs

1 mark

9. Jamie, Kate and Hassan run a 50m race.



Kate's time is 13 seconds.

Jamie finishes 5 seconds before Kate.

Hassan finishes 3 seconds after Jamie.

What is **Hassan's time** in seconds?



seconds

1 mark

10.



Kate and Jamie each have some money.

Altogether they have **£1.50**

Kate gives Jamie **10p** so that they both have the same amount.

How much money did each have at the start?

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

Kate had p Jamie had p

2 marks

11. Hassan scores 40 out of 80 in a test.

Kate scores 40% in the same test.

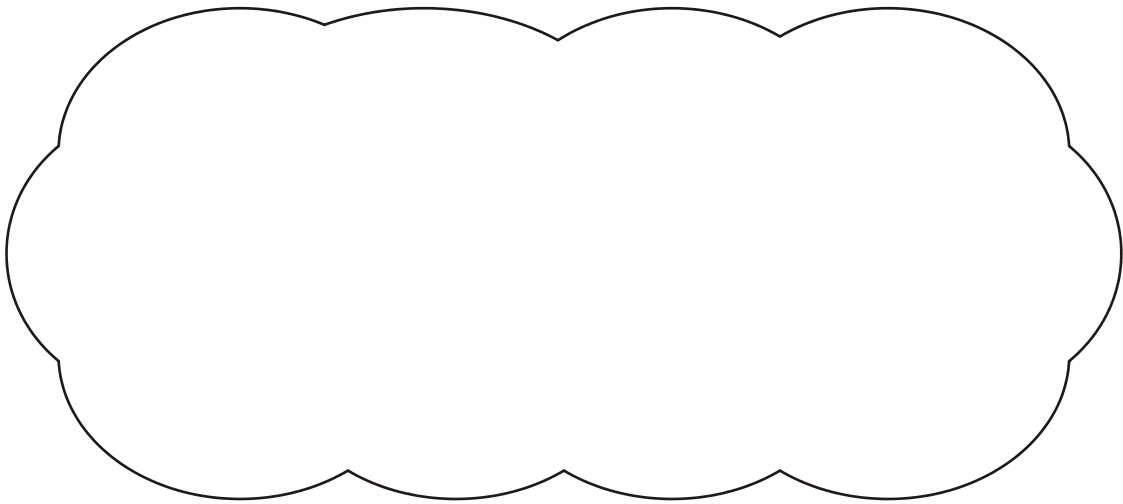
Who has the higher score?

Circle **Hassan** or **Kate**.



Hassan / Kate

Explain how you know.

A large, empty, cloud-shaped outline intended for the student to write their explanation.

1 mark

12.



The cost for using a minibus is £1.36 for each kilometre.

8 friends go on a 114 kilometre journey.

They share the cost equally.

How much does each person pay?



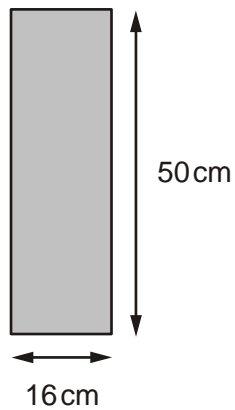
Show
your **method**.
You may get
a mark.

£

2 marks

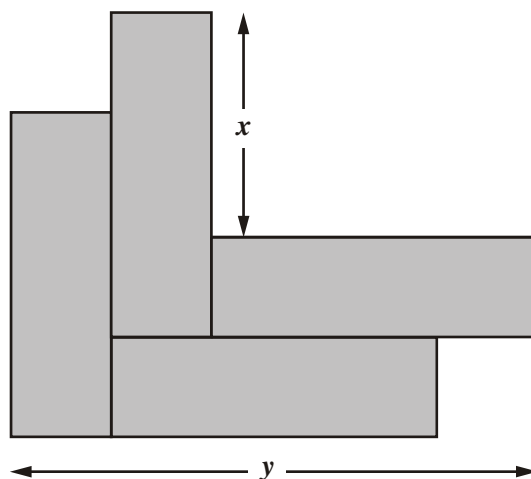
13. Kate has some rectangles.

They each measure 16 centimetres by 50 centimetres.



Not actual size

She makes this design with four of the rectangles.



Work out the lengths x and y .



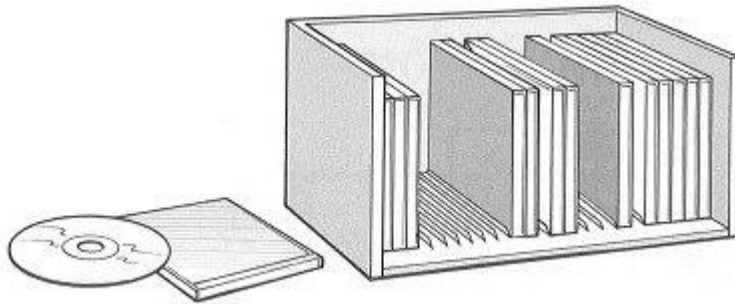
$x =$

1 mark

$y =$

1 mark


14. Here is a CD rack.



One rack holds **25** CDs.

David has **83** CDs.


How many racks does he need to hold **all** his CDs?



1 mark

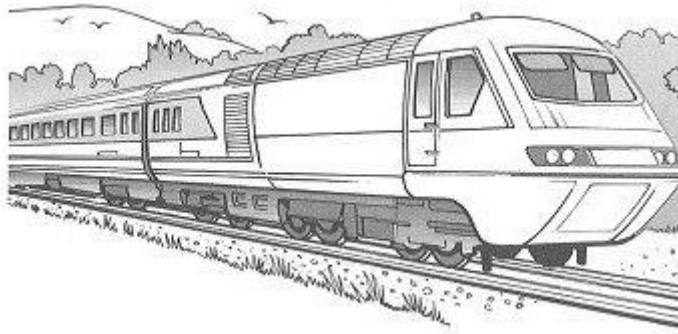
Lin has **6** racks **full** of CDs.

How many CDs does Lin have altogether?

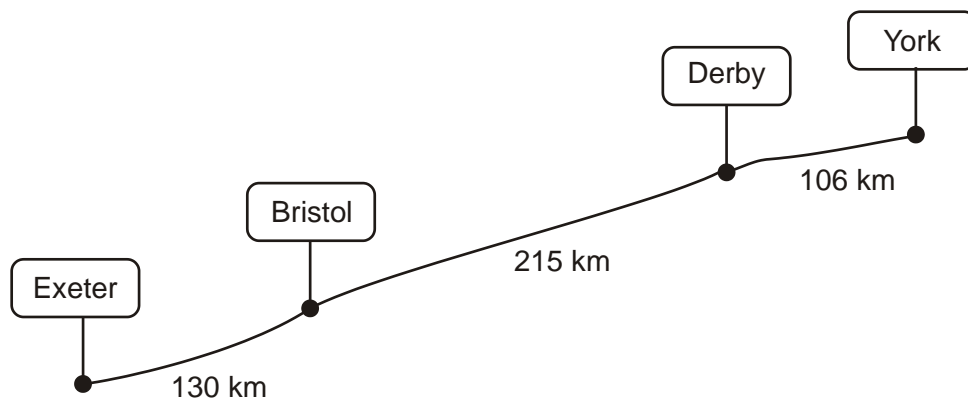


1 mark


15.



The diagram shows distances on a train journey from Exeter to York.




How many kilometres is it altogether from **Exeter** to **York**?

 km

1 mark

What is the distance from **Derby** to **York** rounded to the nearest 10km?

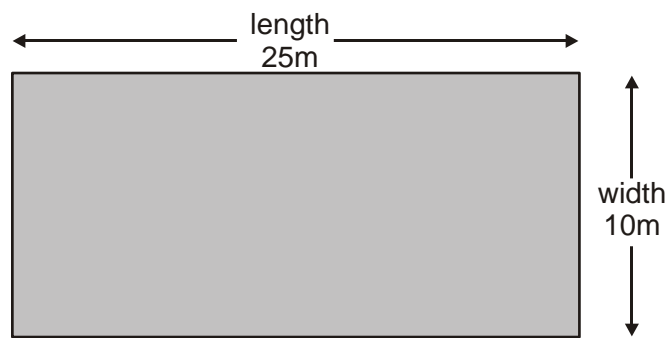
 km

1 mark

16.



A rectangular swimming pool is 25 metres long and 10 metres wide.



David swims **5 lengths**.

Rosie swims **12 widths**.

How much **further** does David swim than Rosie?

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

metres

2 marks

17. These are the prices in a shoe shop.



boots
£45.50



sandals
£12.75



trainers
£34.99

How much **more** do the boots cost than the trainers?



ml

1 mark

Rosie buys a pair of trainers and a pair of sandals.

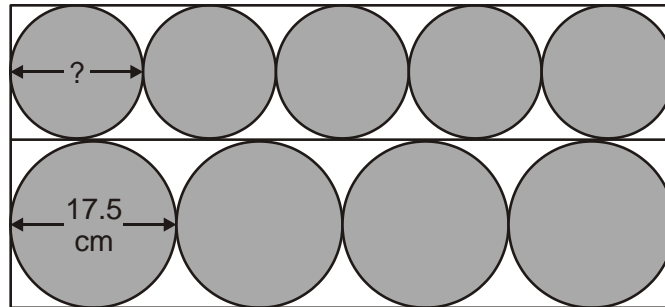
How much change she gets from **£50**?

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

£

2 marks

18. Four large circles and five small circles fit exactly inside this rectangle.



Not actual size

The **diameter** of a large circle is **17.5** centimetres.

Calculate the **diameter** of a small circle.



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

A large empty rectangular box for showing the method. In the bottom right corner of this box, there is a smaller rectangle containing the text 'cm'.

2 marks

19.




These are the radio programmes one morning.

7:00	Music show
7:55	Weather report
8:00	News
8:15	Travel news
8:25	Sport
8:45	Holiday programme

Josh turns the radio on at 7:25 am.


How many minutes does he have to wait for the Weather report?



1 mark

The Holiday programme lasts for 40 minutes.

At what time does the Holiday programme finish?



1 mark

20. A shop sells candles.



plain candles
35p each



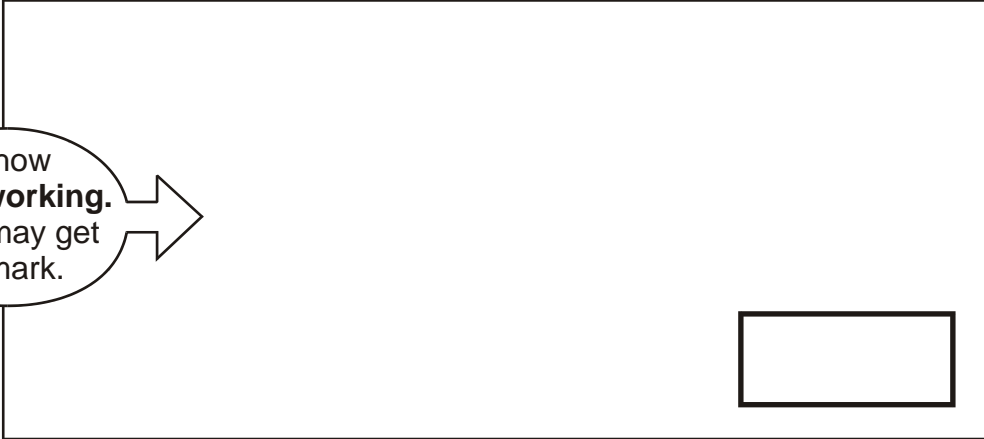

star candles
60p each



stripe candles
85p each

Sapna buys **4** star candles and **2** stripe candles.

How much does she pay **altogether**?




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

2 marks



Josh buys **10** plain candles in the special offer.

How much does he pay for the 10 candles?



1 mark

21. These are the prices of coconuts and bananas.



coconuts
78p each



bananas
£1.20 for 1kg

Josh buys **one coconut** and **half a kilogram** of **bananas**.

How much does he spend altogether?

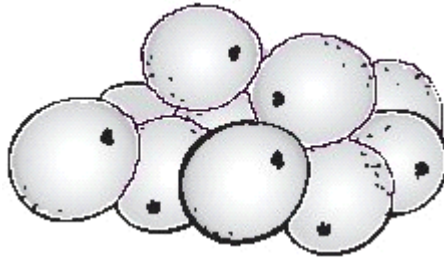


Show
your **method**.
You may get
a mark.


£

2 marks

Oranges cost **25p** each.



How many oranges can Josh buy for **£1.50**?



1 mark

22. Josh thinks of a number.



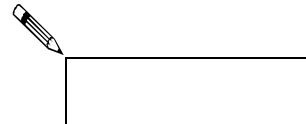
He adds 4

He multiplies his result by 3

Then he takes away 9

His final answer is 90

What number did Josh start with?



1 mark

23.



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?

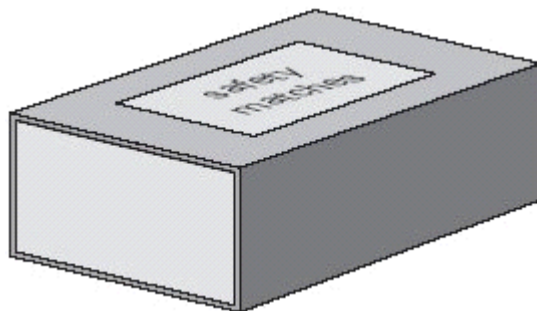


Sapna

Robbie

1 mark

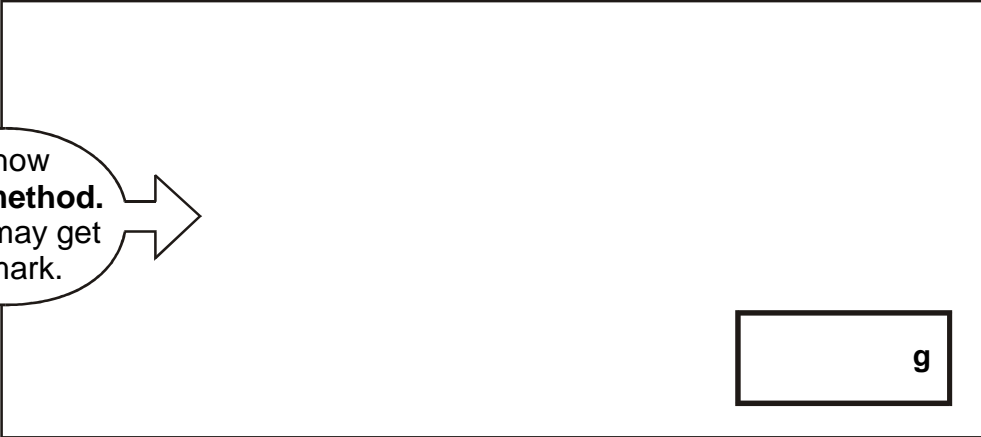

24.



A box contains 220 matches and weighs 45 grams.

The empty box weighs 12 grams.

Calculate the weight of **one** match.



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

2 marks

25.



Alan has **45 beans**.

He plants **3 beans** in each of his pots.

How many pots does he need?



pots

1 mark

Leila puts **4 seeds** in each of her pots.

She uses **6 pots** and has **1 seed** left over.

How many seeds did she start with?




1 mark

26. A shop sells three types of sunglasses.

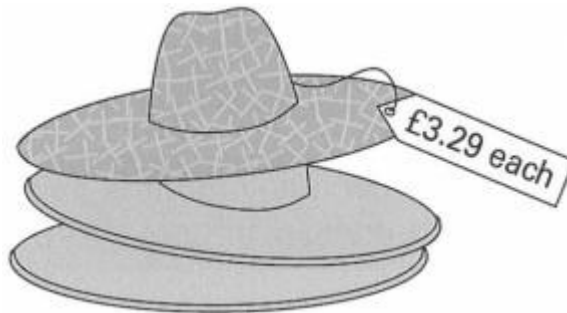


What is the **difference** in price between the **most** expensive and **least** expensive sunglasses?



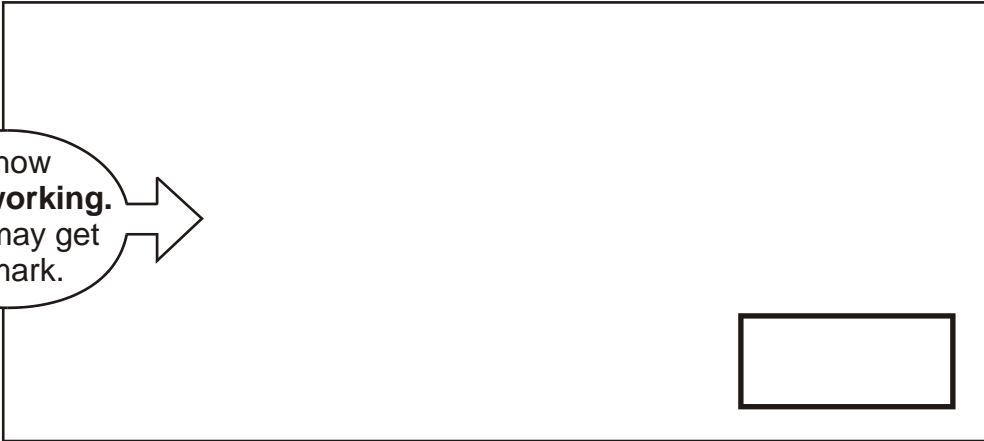

1 mark

The shop also sells sun hats.



Ryan buys the **£4.69 sunglasses** and a **sun hat**.

How much change does he get from **£10**?



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

2 marks


27. Liam thinks of a number.



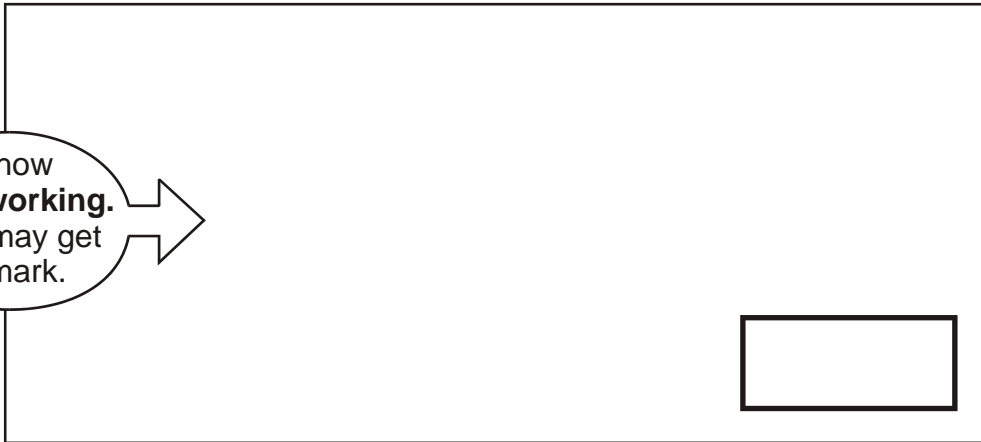
He **multiplies the number by 5** and then **subtracts 60** from the result.

His answer equals the number he started with.

What was the number Liam started with?



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



2 marks

28.



Here is part of a train timetable.

Edinburgh	–	09:35	–	–	13:35	–	–
Glasgow	09:15	–	11:15	13:15	–	13:45	15:15
Stirling	09:57	–	11:57	13:57	–	14:29	15:57
Perth	10:34	10:51	12:34	14:34	14:50	15:15	16:35
Inverness	–	13:10	–	–	17:05	–	–

How long does the first train from Edinburgh take to travel to Inverness?

1 mark

Ellen is at Glasgow station at 1.30pm.

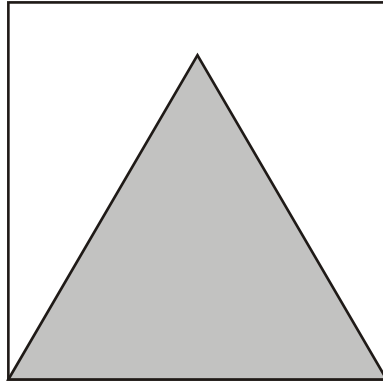
She wants to travel to Perth.

She catches the next train.

At what time will she arrive in Perth?

1 mark

29. Here is an equilateral triangle inside a square.



Not actual size

The perimeter of the triangle is 48 centimetres.

What is the perimeter of the **square**?


2 marks

30. Cinema tickets cost **£3.65** each.

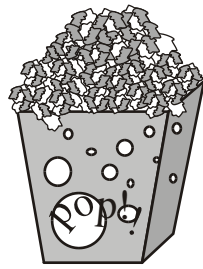
Hannah buys **4 tickets**.



How much does Hannah pay?



1 mark



popcorn
£1.95



milkshake
£1.25

Nico buys a box of popcorn and two milkshakes.

How much does Nico spend **altogether**?

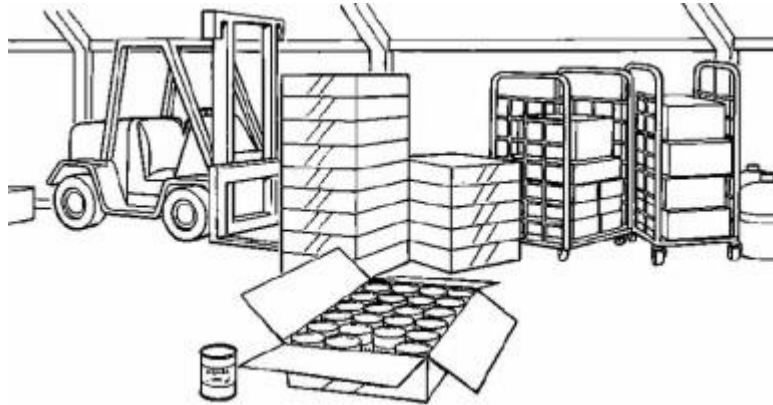


Show
your **method**.
You may get
a mark.

£

2 marks

31.



In a supermarket storeroom there are

7 boxes of tomato soup

5 boxes of pea soup

4 boxes of chicken soup

There are **24 tins** in every **box**.

How many **tins** of soup are there **altogether**?



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





2 marks

32. Here are three supermarket bills.

qteggg	99
elewve	1 87
weldf	54
efedgg	195
shagg	100
ewfow	00
fmkdf	55
sdd	187
eucoe	198
poohw	65
	199
Total £74.68	

qteggg	99
elewve	1 87
weldf	54
efedgg	195
shagg	100
ewfow	00
fmkdf	55
sdd	187
eucoe	198
poohw	65
	199
Total £65.90	

qteggg	99
elewve	1 87
weldf	54
efedgg	195
shagg	100
ewfow	00
fmkdf	55
sdd	187
eucoe	198
poohw	65
	199
Total £59.05	

Tom rounds each bill **to the nearest £10** and then adds them up.

What is the total amount that Tom gets?



£

1 mark

Mary adds up the three bills **exactly**.

What is the total difference between her total and Tom's total?



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

2 marks


33.





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

34. Each of these bags contains **£1.60**

Each bag contains only one type of coin.



Complete this table to show how many coins are in each bag.

One has been done for you.



Type of coin	Number of coins
1p	160
10p	
20p	

1 mark

35.



Tom and Nadia have 16 cards each.

Tom gives Nadia 12 of his cards.

How many cards do Tom and Nadia each have now?



Tom


Nadia

1 mark

Lucy also has 16 cards.

She gives a quarter of her cards to Kiran.

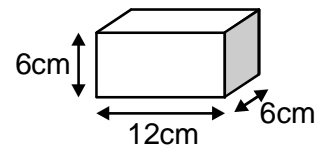
How many cards does Lucy give to Kiran?



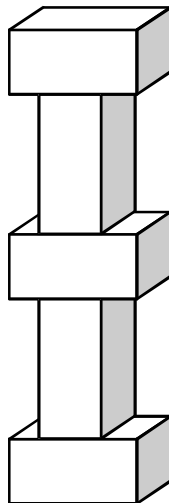
1 mark

36. Martin has some bricks.


They are 12cm long, 6cm high and 6cm deep.



He builds this tower with **five** bricks.



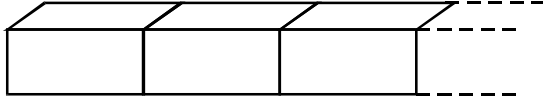
How tall is the tower?


 cm

1 mark

Each brick is 12cm long.

Martin makes a line of bricks **132cm long**.



How many bricks does he use?

A pencil icon pointing to a rectangular box for the answer.

1 mark

37.




A bottle holds **1 litre** of lemonade.

Rachel fills **5** glasses with lemonade.

She puts **150 millilitres** in each glass.

How much lemonade is left in the bottle?



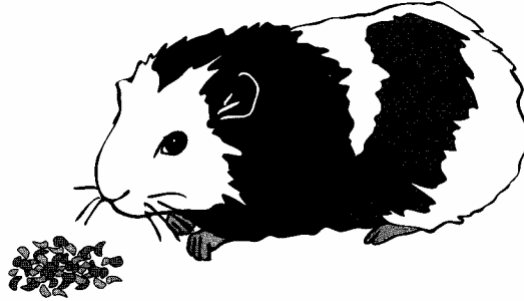
Show
your **method**.
You may get
a mark.

ml

2 marks

38. A packet contains **1.5 kilograms** of guinea pig food.

Remi feeds her guinea pig **30 grams** of food each day.



How many days does the packet of food last?

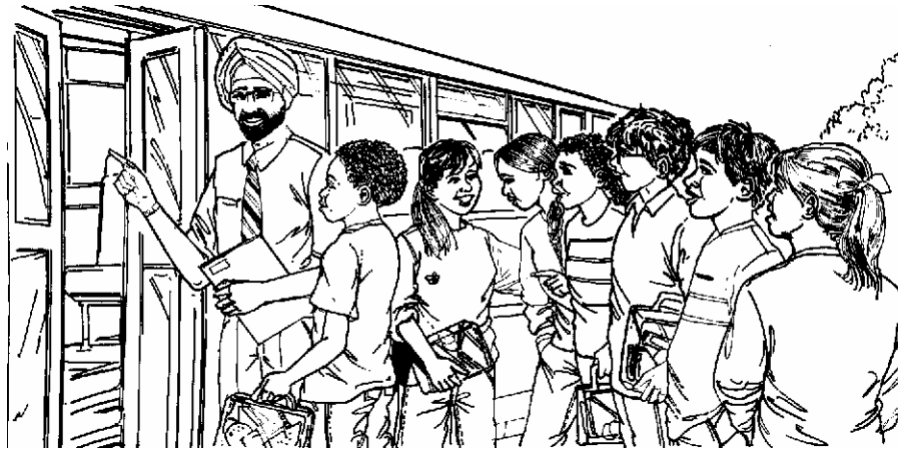


Show your **method**.
You may get a mark.

days

2 marks

39.



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?



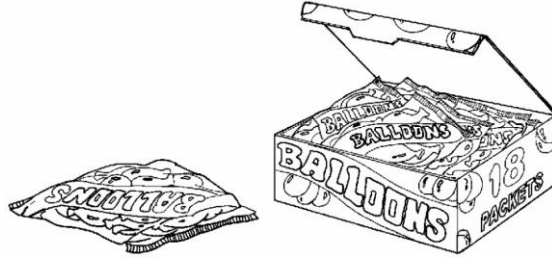
Show
your **method**.
You may get
a mark.

children

2 marks

40. There are **5 balloons** in a **packet**.

There are **18 packets** in a **box**.

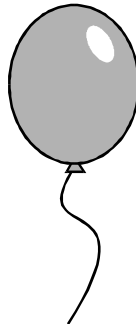


How many balloons are there altogether in a **box**?

A pencil icon pointing to a rectangular box for the answer.

1 mark

There are 5 balloons in a packet.



Kofi needs **65 balloons**.

How many **packets** does he need?

A pencil icon pointing to a rectangular box for the answer.

1 mark

41. These are the prices in a fish and chip shop.

Fish.....	£1.95
Chips	
small bag.....	55p
large bag.....	70p
Peas.....	38p

Luke has **£3**

He wants to buy one fish, peas and two large bags of chips.

How much **more** money does he need?



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



2 marks

42.



The temperature **inside** an aeroplane is **20 °C**.

The temperature **outside** the aeroplane is **−30 °C**.

What is the **difference** between these temperatures?



degrees

1 mark


43.



Here are the **start** and **finish** times of some children doing a sponsored walk.

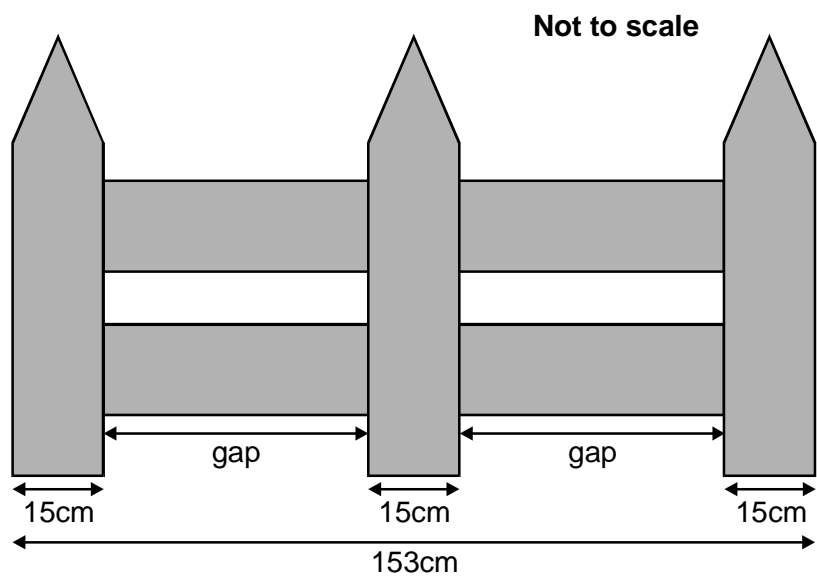
	Start time	Finish time
Claire	9:30	10:55
Ruth	9:35	11:05
Dan	9:40	11:08
Tim	9:45	11:05

How much longer did Claire take than Tim?



1 mark


44. This fence has three posts, equally spaced.



Each post is **15 centimetres** wide.

The length of the fence is **153 centimetres**.

Calculate the length of **one gap** between two posts.



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

cm

2 marks

45.



Cheddar cheese costs £7.50 for 1kg.

Marie buys 200 grams of cheddar cheese.

How much does she pay?

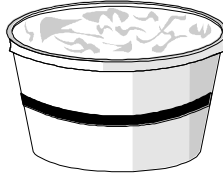


£

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?



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

grams

2 marks

46.



250 000 people visited a theme park in one year.

15% of the people visited in April and

40% of the people visited in August.

How many people visited the park in the rest of the year?

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

2 marks