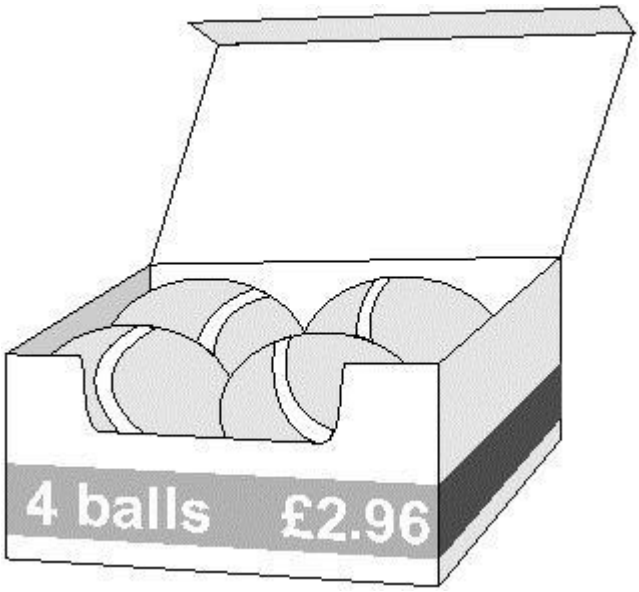
Q1.



A box of four balls costs **£2.96**

How much does each ball cost?

1 mark

Dean and Alex buy **3 boxes** of balls between them.

Dean pays **£4.50**

How much must Alex pay?

Show your method

£

2 marks

Q2.

Liam, Sarah and Amy buy lunch at a salad bar.

salad bar			
Salads		Desserts	
cheese	£1.20	banana	25p
egg	90p	apple pie	50p
tuna	£1.60	yogurt	35p

Liam has £2.50 to spend.

He buys a tuna salad and an apple pie.

How much money has he got left?

p

1 mark

Sarah buys a cheese salad and a yogurt.

Amy buys an egg salad.

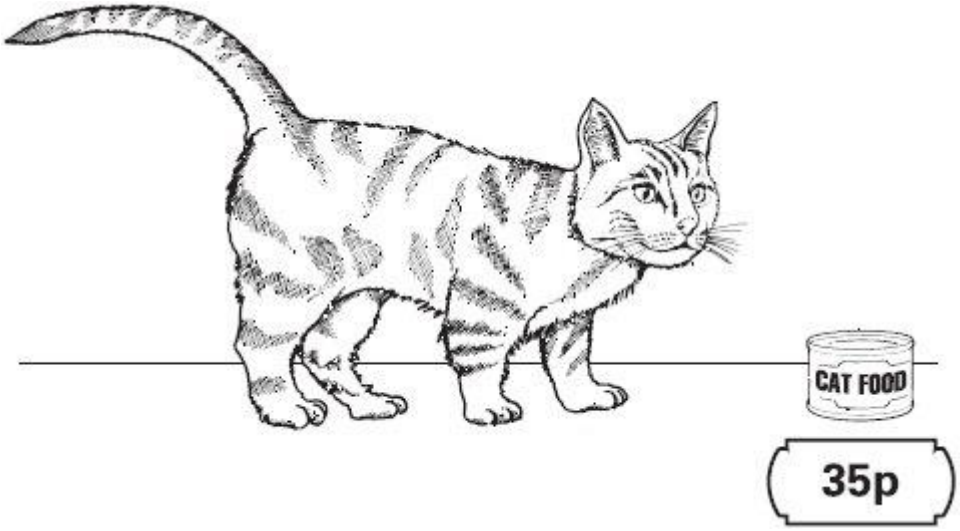
How much **more** does Sarah pay than Amy?

Show your method

2 marks

Q3.

Sarah's cat eats one tin of this cat food each day.



How much does it cost to feed Sarah's cat for **7** days?

Show your method

£

2 marks

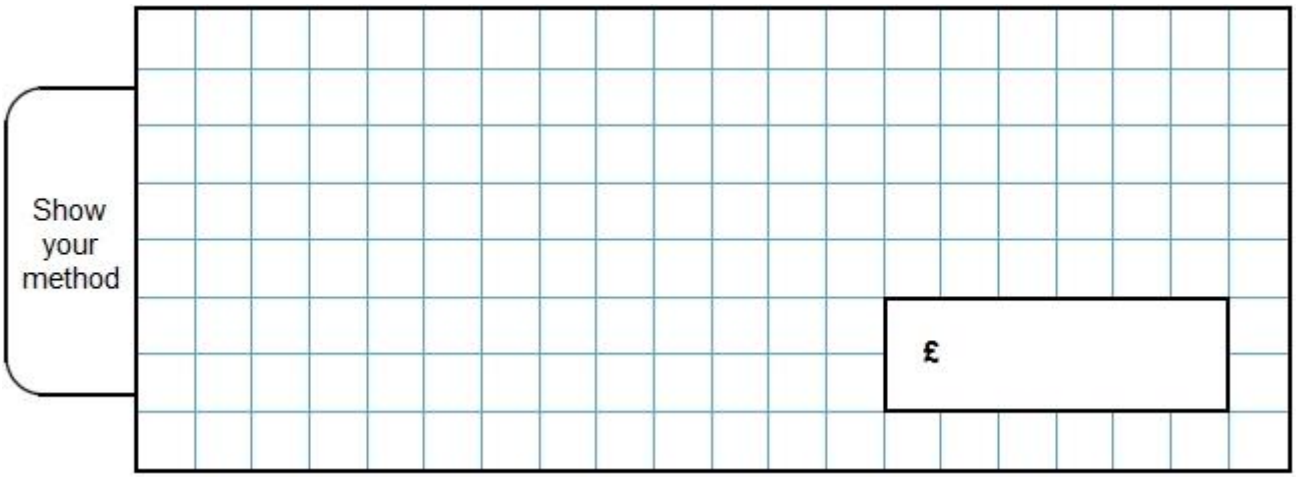
Q4.

Megan and Chen are washing cars.

Megan gets £39 and Chen gets £55

They share what they get **equally** between them.

How much does each of them get?

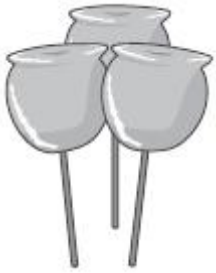


2 marks

Q5.

Kirsty, Seb and Mina made toffee apples to sell at the school fair.

They made **80** toffee apples altogether.



Kirsty sold **12** toffee apples.

Seb sold **25** toffee apples.

Mina sold **17** toffee apples.

How many toffee apples were left?

Show your method

2 marks

Kirsty sold her 12 toffee apples for 50p each.

How much money did she collect?

1 mark

Q6.

These are some prices in a fish and chip shop.

Fish £2.30	Peas 35p
Sausage £1.80	Curry sauce 40p
Chips (small bag) 60p	Bread roll 30p
Chips (large bag) 90p	Pickled onion 28p

Alfie buys one fish, a large bag of chips and a pickled onion.

How much does he pay?

£

1 mark

Megan buys a sausage and a bread roll.

Chen buys a small bag of chips and a curry sauce.

How much **more** does Megan pay than Chen?

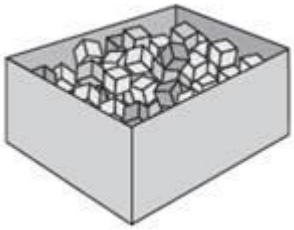
Show your method

£

2 marks

Q7.

Seb has a box of **120** cubes.



He uses some of the cubes to build a tower.

77 cubes are left over.

How many cubes has he used?

1 mark

Seb has **77** cubes left over.

He builds two more towers.

One tower uses **18** cubes and the other uses **35** cubes.

How many of his **77** cubes has he got left now?

Show your method

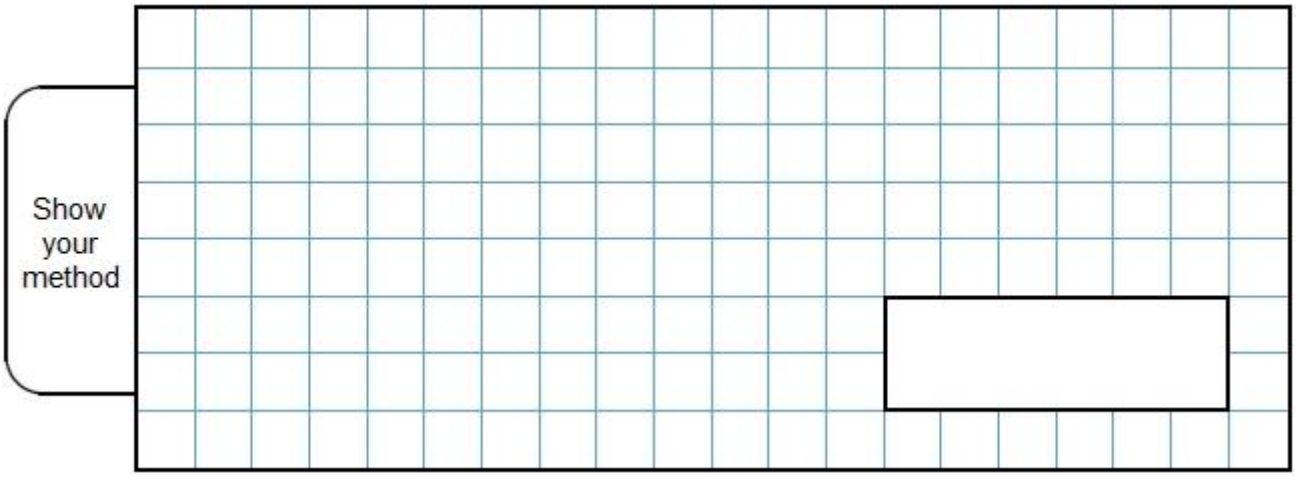
2 marks

Q8.

A pack of paper has 150 sheets.

4 children each take 7 sheets.

How many sheets of paper are left in the packet?



2 marks

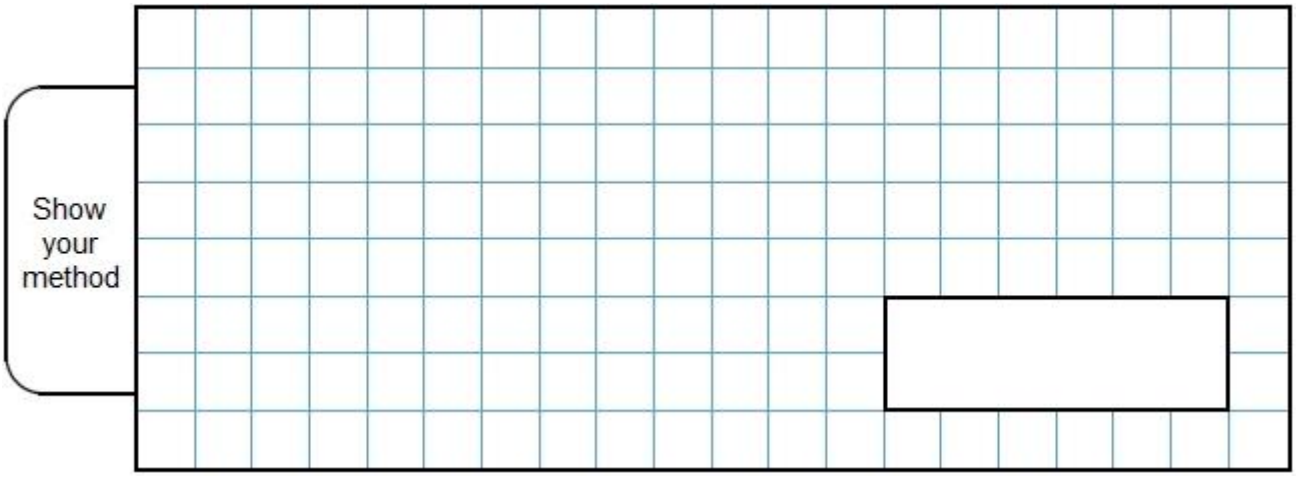
Q9.

Books are 25p each at a car boot sale.

Alfie wants to buy 12 books.

He only has £2.35

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



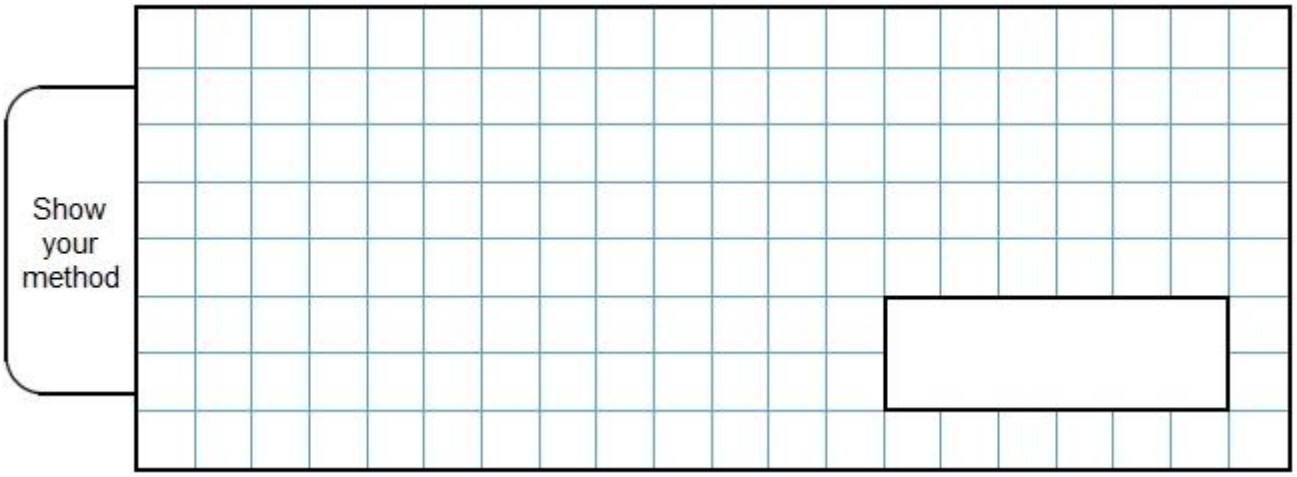
2 marks

Q10.

A shop sells candles.

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

How much does she pay **altogether**?



2 marks

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

How much does he pay for the 10 candles?

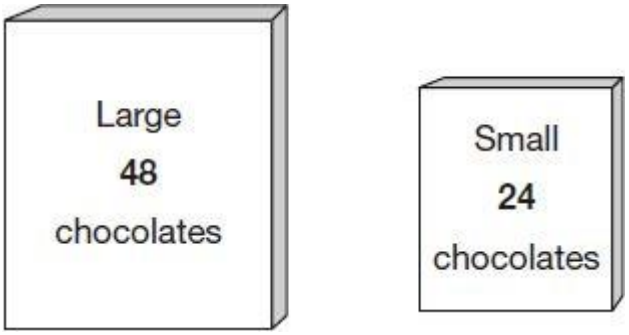
£

1 mark

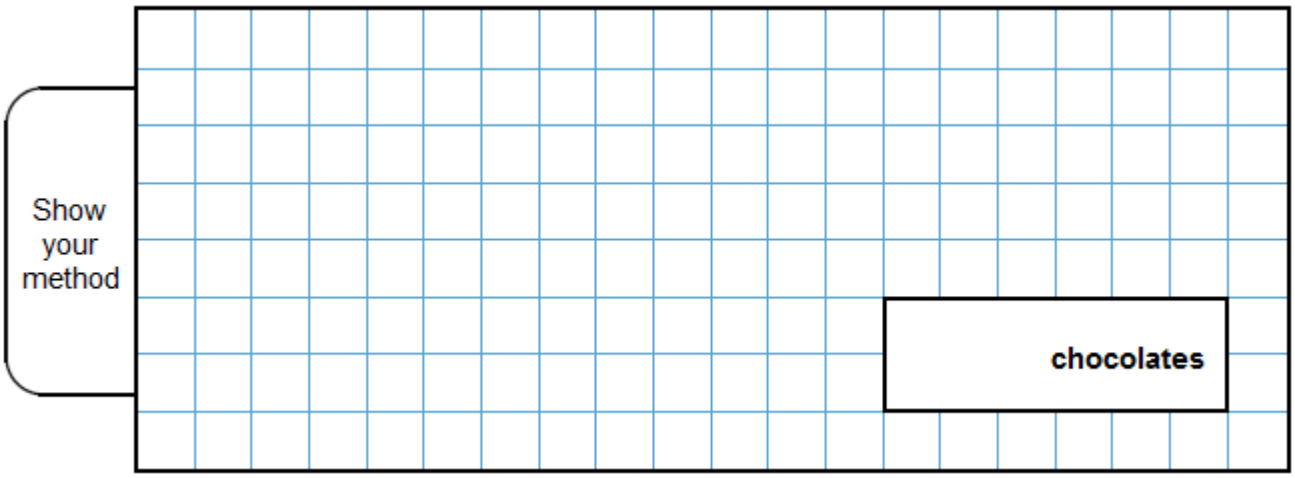
Q11.

Ken buys 3 large boxes and 2 small boxes of chocolates.

Each large box has 48 chocolates. Each small box has 24 chocolates.



How many **chocolates** did Ken buy altogether?



2 marks

Q12.

John buys one toy car and one pack of stickers.

£1.49

£1.64

He pays with a **£10** note.

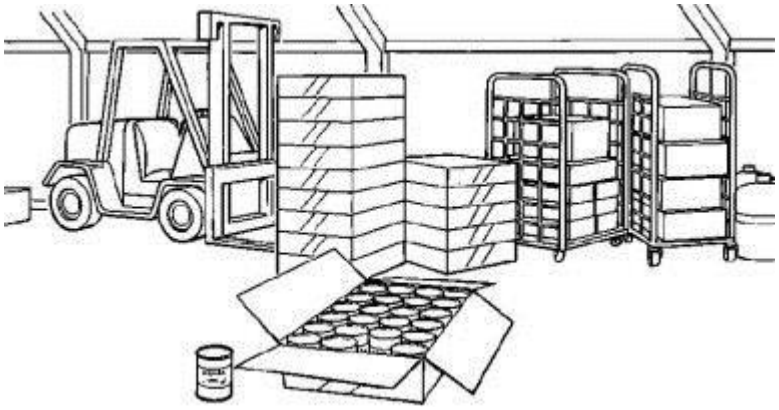
How much change does John get?

Show your method

£

2 marks

Q13.



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

2 marks

Q14.

Ken is playing a game. He has 4,289 points.

Then he scores another 355 points.

Ken's target is 6,000 points.

How many **more** points does Ken need to reach his target?

Show your method

2 marks

Q15.

Liam buys **two** apples.

He pays with a £1 coin and gets 64p change.

How much does **one** apple cost?

Show your method

p

2 marks

Q16.

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**

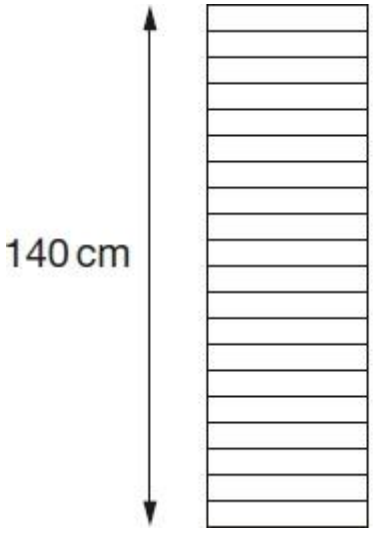
Calculate the cost of **a notebook**.

Show your method

2 marks

Q17.

A stack of 20 identical boxes is 140 cm tall.



Not actual size

Stefan takes **three** boxes off the top.

How tall is the stack now?

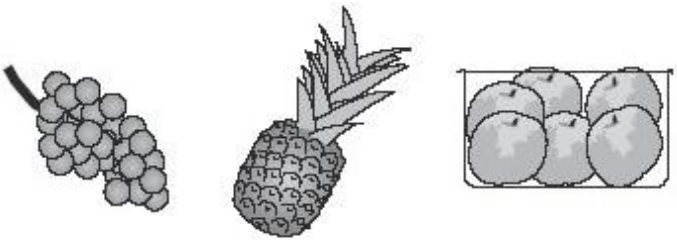
Show your method

cm

2 marks

Q18.

Amir and Lara buy some fruit.



grapes	pineapples	peaches
£2.50	£1.40	£1.99
for 1 kilogram	each	for a box

Amir buys 2 pineapples and a box of peaches.

How much does he pay?

£

1 mark

Lara buys half a kilogram of grapes and one pineapple.

How much change does she get from £5?

Show your method

£

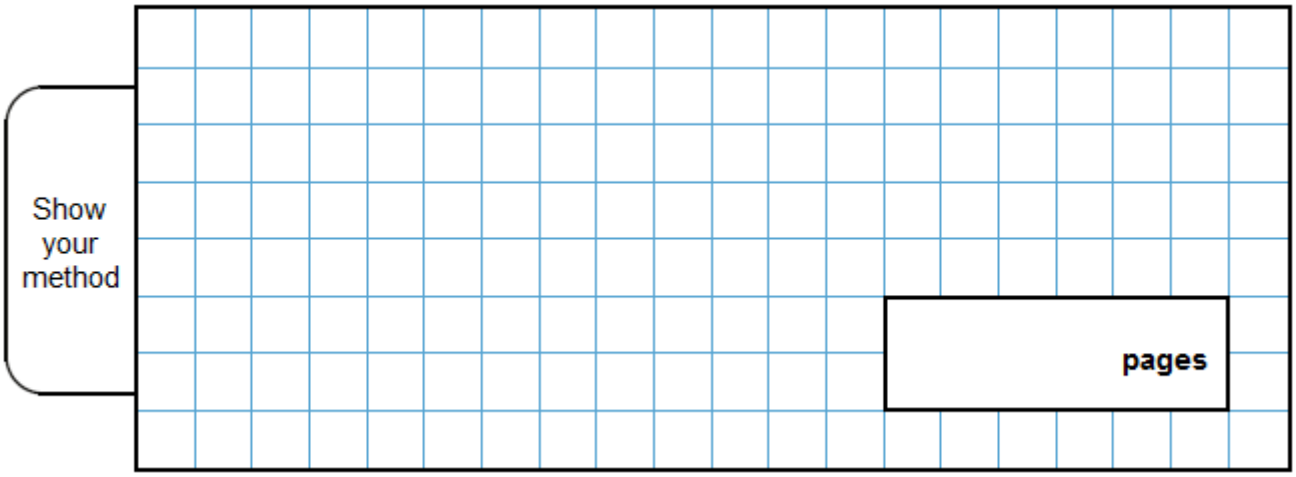
2 marks

Q19.

A book has 276 pages.

Amina has read $\frac{1}{3}$ of the book.

How many pages are **left** for Amina to read?

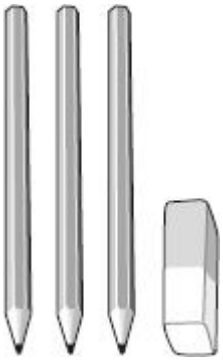


2 marks

Q20.

6 pencils cost **£1.68**

3 pencils and 1 rubber cost **£1.09**



What is the cost of **1 rubber**?

Show your method

2 marks

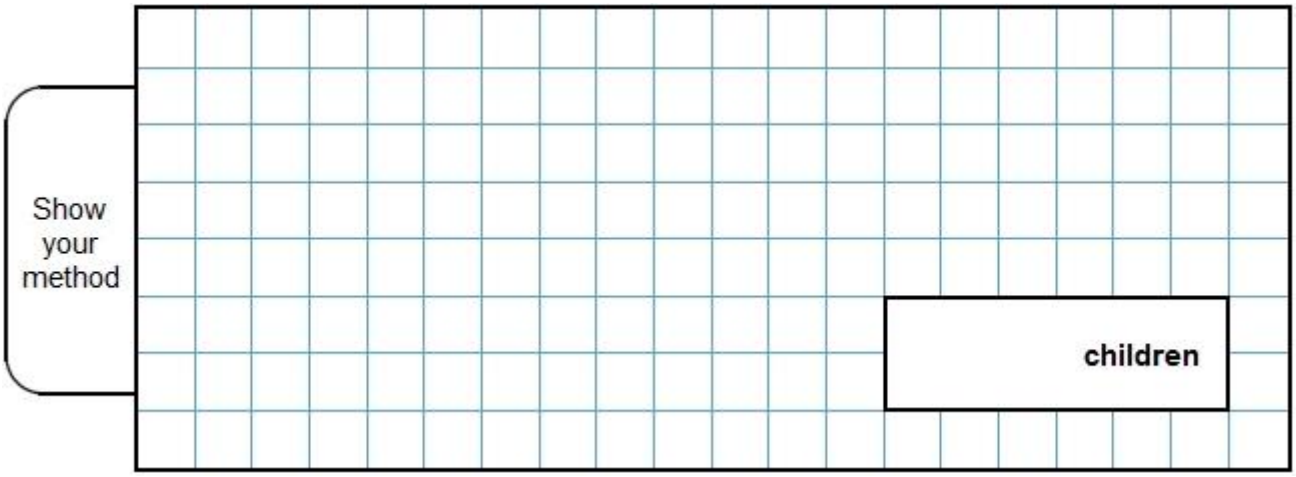
Q21.

200 children went on holiday.

10% of the children went to Wales.

25% of the children went to Scotland.

How many **more** children went to Scotland than went to Wales?

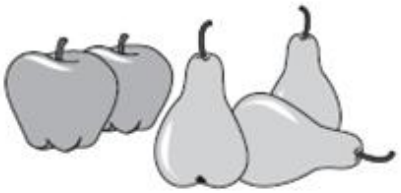


2 marks

Q22.

Seb bought 2 apples and 3 pears.

He spent £1.59 altogether.



Apples cost 24p each.

How much does **one** pear cost?

Show your method

2 marks

Q23.

These are the prices of cheese in a shop.

Cheddar cheese
82p for 100 grams

Edam cheese
66p for 100 grams

Cottage cheese
45p for 100 grams

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

How much does she pay altogether?

Show your method

£

2 marks

Seb buys some cottage cheese for £1.35.

How many grams of cottage cheese does he get?

g

1 mark

Q24.

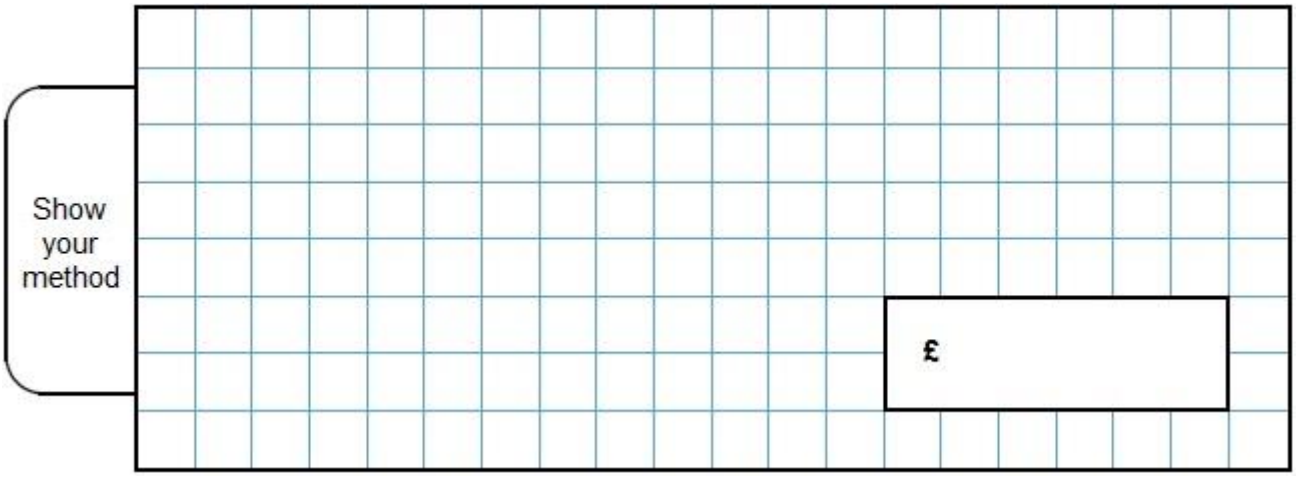
Amina posts three large letters.

The postage costs the same for each letter.

She pays with a £ 20 note.

Her change is £14.96

What is the cost of posting **one** letter?



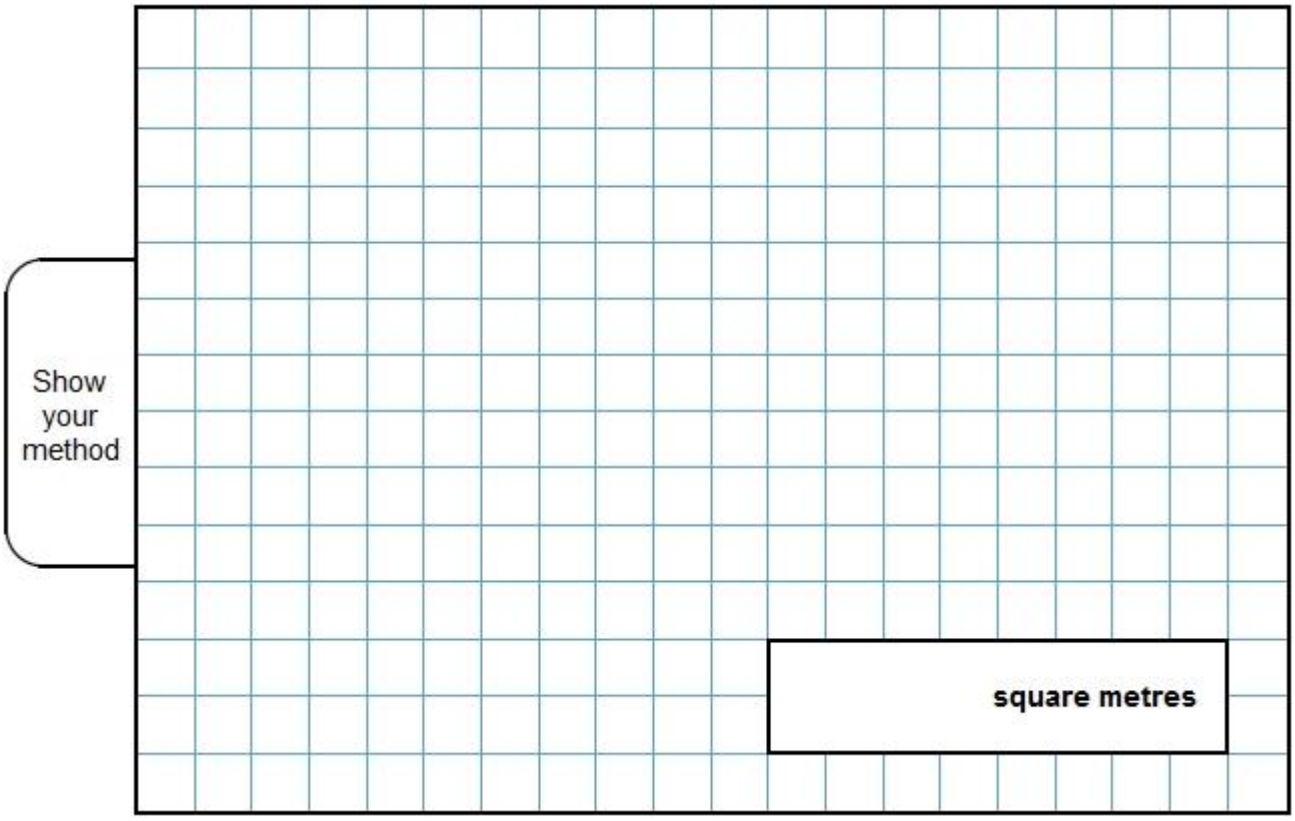
2 marks

Q25.

The area of a rugby pitch is 6,108 square metres.

A football pitch measures 112 metres long and 82 metres wide.

How much larger is the area of the football pitch than the area of the rugby pitch?



3 marks

Q26.

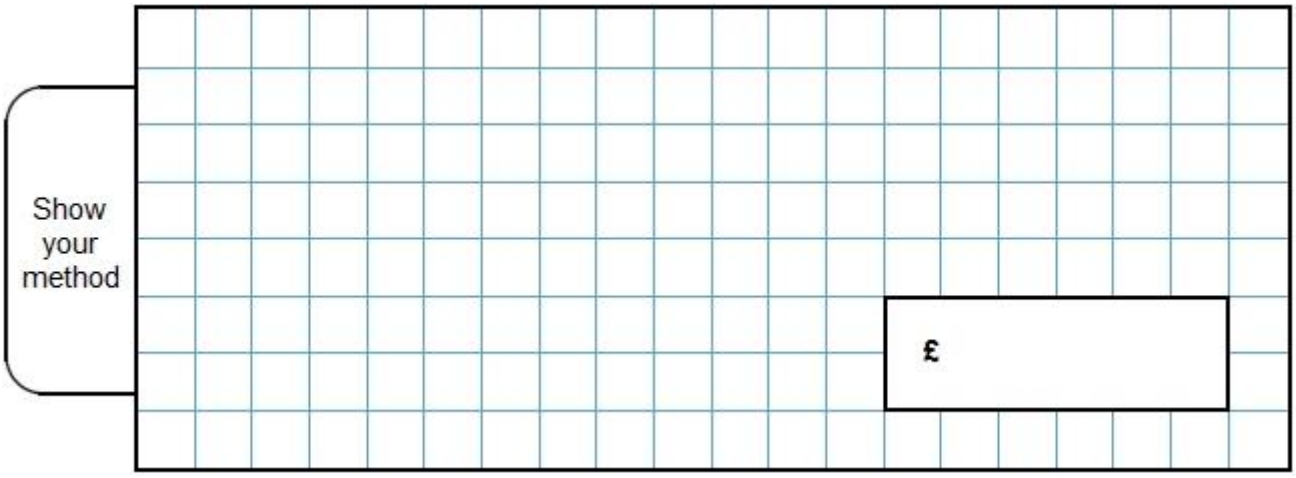
Large pizzas cost £8.50 each.

Small pizzas cost £6.75 each.

Five children together buy one large pizza and three small pizzas.

They share the cost equally.

How much does each child pay?



2 marks

Q27.

Ally and Jack buy some stickers.

Pack of 12 stickers
£10.49

12 stickers
99p each

Ally buys a pack of 12 stickers for £10.49

Jack buys 12 single stickers for 99p each.

How much more does Jack pay than Ally?

Show your method

£

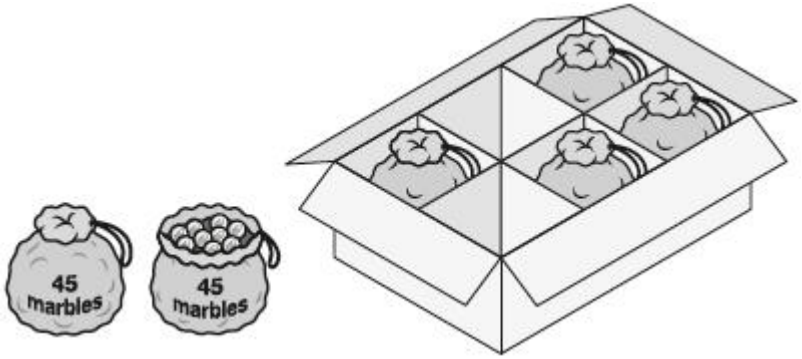
2 marks

Q28.

A toy shop orders 11 boxes of marbles.

Each box contains 6 bags of marbles.

Each bag contains 45 marbles.



How many **marbles** does the shop order in total?

Show your method

marbles

2 marks

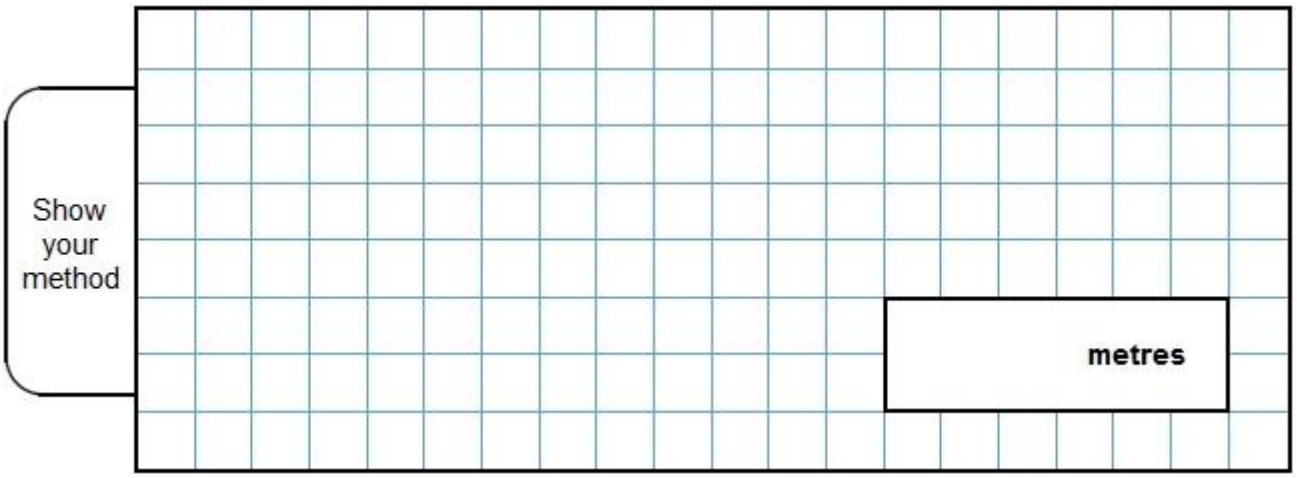
Q29.

Jacob cuts **4** metres of ribbon into **three** pieces.

The length of the first piece is **1.28** metres.

The length of the second piece is **1.65** metres.

Work out the length of the third piece.



2 marks

Q30.

Layla makes jewellery to sell at a school fair.

Each bracelet has **53** beads.

She makes **68** bracelets.

Each necklace has **105** beads.

She makes **34** necklaces.

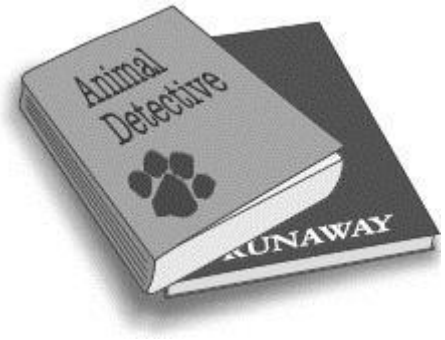
How many beads does Layla use **altogether?**

Show your method

beads

3 marks

Q31.



Dev and Joe each buy a book.

Dev pays with a £5 note and gets £1.05 change.

Joe's book costs £7

How much **more** does Joe's book cost than Dev's book?

Show your method

£

2 marks

Q32.

Olivia buys three packets of nuts.

She pays with a **£2 coin**.

This is her change.

What is the cost of **one** packet of nuts?

Show your method

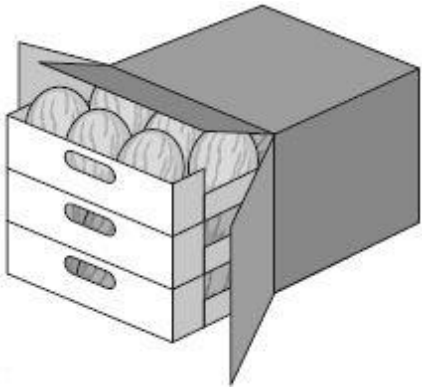
2 marks

Q33.

A box contains trays of melons.

There are 15 melons in a tray.

There are 3 trays in a box.



A supermarket sells **40** boxes of melons.

How many melons does the supermarket sell?

Show your method

melons

2 marks

Q34.

Miss Mills is making jam to sell at the school fair.

Strawberries cost £7.50 per kg.

Sugar costs 79p per kg.

10 glass jars cost £6.90

She uses 12 kg of strawberries and 10 kg of sugar to make 20 jars full of jam.

Calculate the total cost to make 20 jars full of jam.

Show your method

£

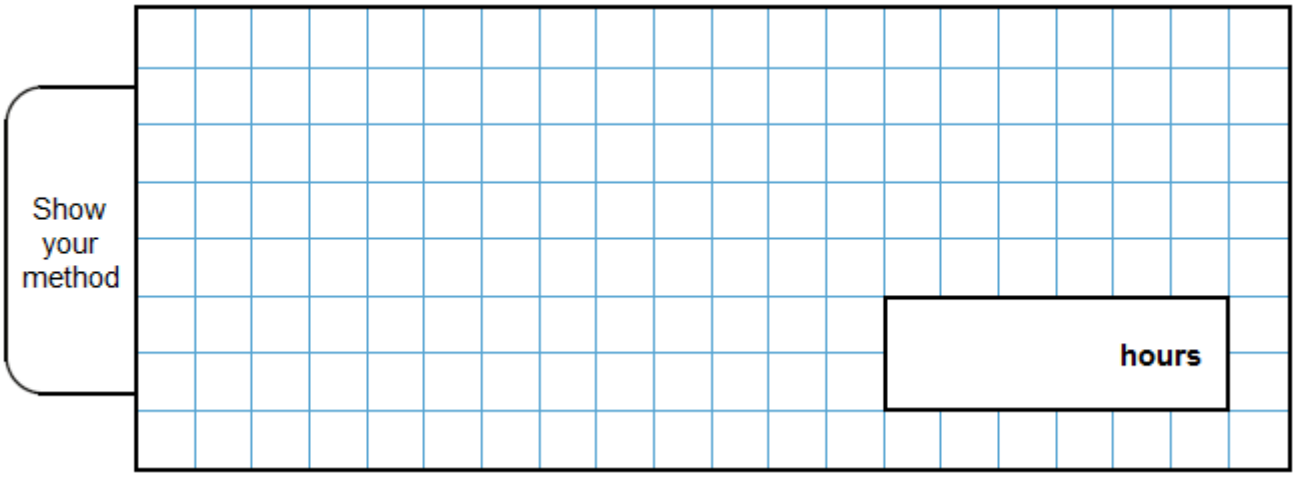
3 marks

Q35.

The length of a day on Earth is 24 hours.

The length of a day on Mercury is $58\frac{2}{3}$ times the length of a day on Earth.

What is the length of a day on Mercury, in **hours**?



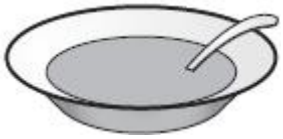
2 marks

Q36.

Alfie did a survey to find which soup was most popular.

The choices were:

- tomato
- chicken
- mushroom



A quarter of the children chose chicken soup.

Four times as many children chose tomato soup as chose mushroom soup.

Alfie makes a pie chart to show this information.

What **angle** should he use for the children who chose tomato soup?

Show your method

°

3 marks

Q37.

How many **days** old will the baby be when she has lived for **one million seconds**?

Show your method

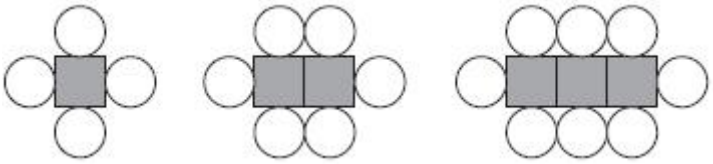
days

2 marks

Q38.

Here is a sequence of shapes.

Each time a square is added to a shape,
two more circles are added.



number of squares, ***s***	1	2	3
number of circles, ***c***	4	6	8

The sequence of shapes continues.

The formula for the sequence is $c = 2s + 2$

Calculate the number of circles when the
number of squares in a shape is **150**.

circles

1 mark

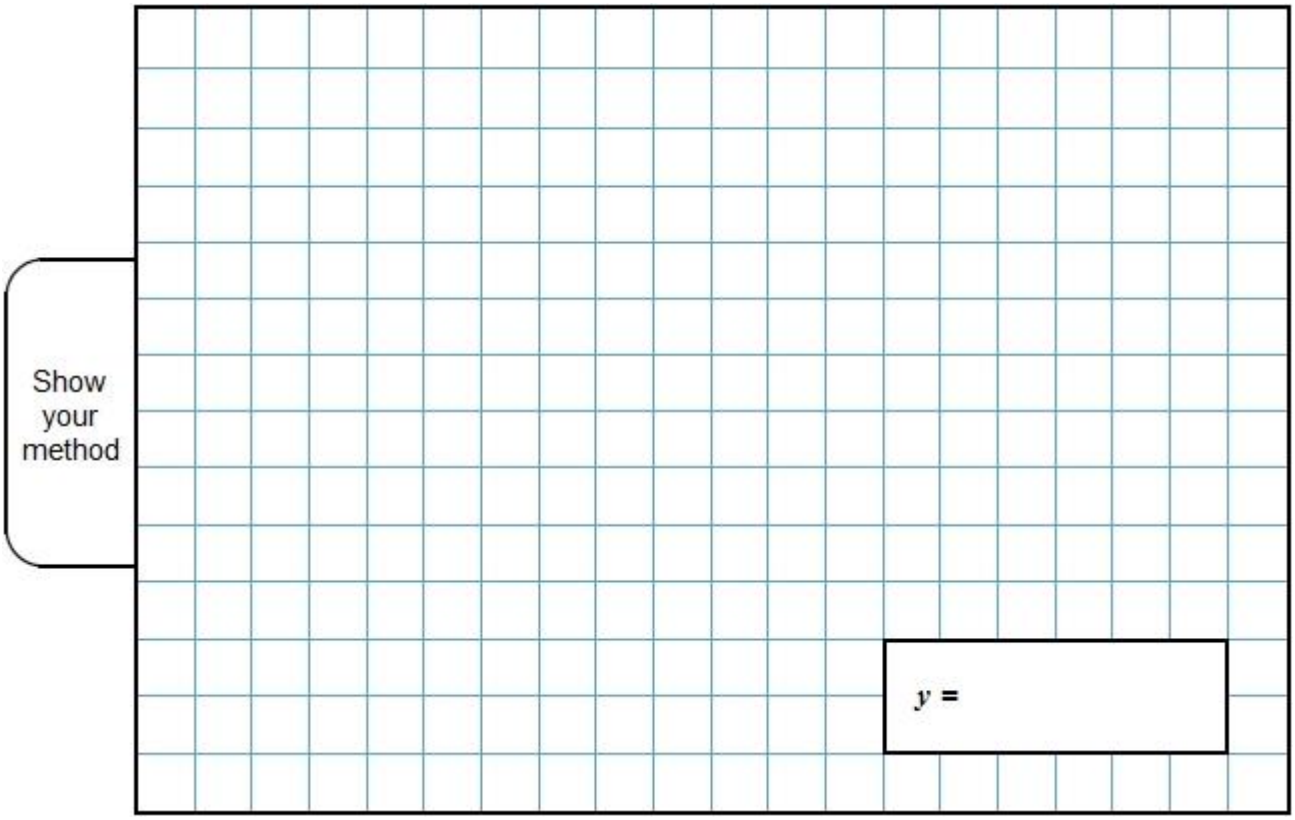
How many squares are there in a shape that has **100** circles?

2 marks

Q39.

Solve this equation to find the value of y.

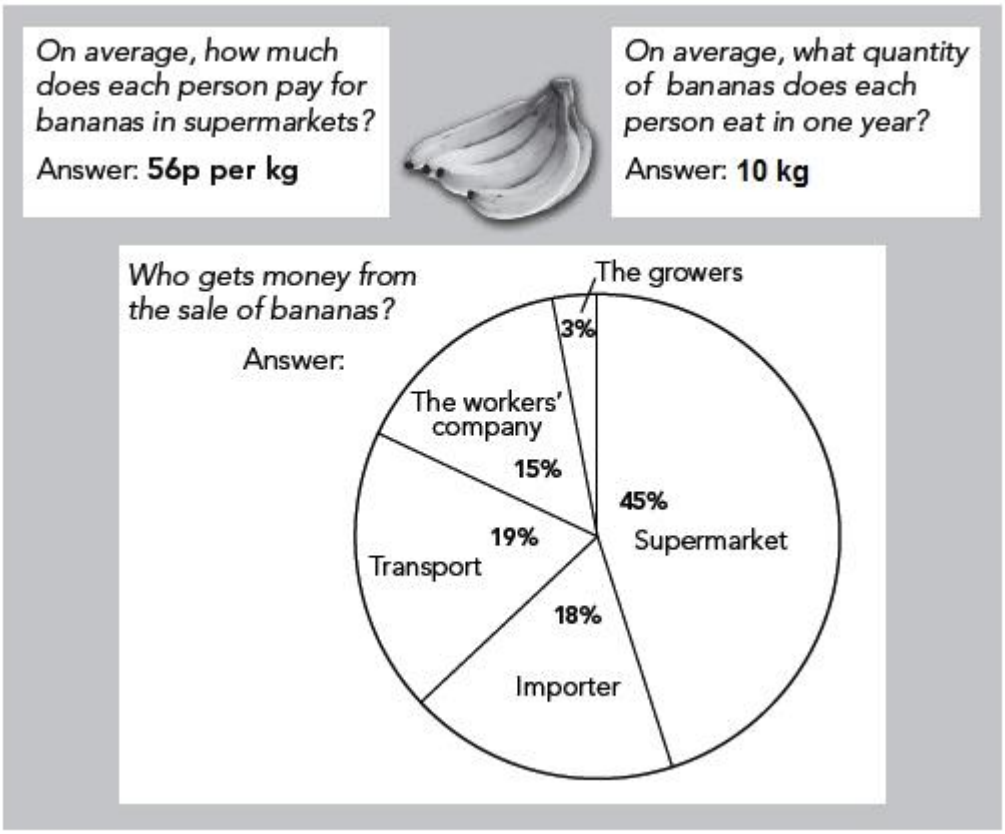
$8(y + 12) = 100$



2 marks

Q40.

Here are three questions and answers about bananas.



How much of the money each person pays for bananas in one year goes to the **growers**?

2 marks