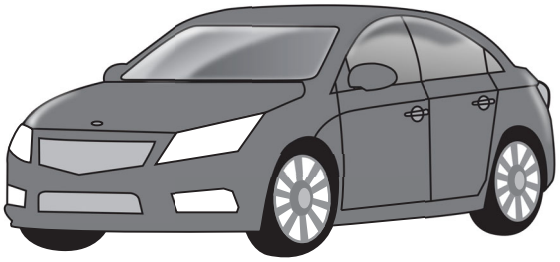
1 The **original** price of this car is £8,999

Sale
£1,100 off



What is the **sale** price of the car?

£

1 mark

2

3,576,219

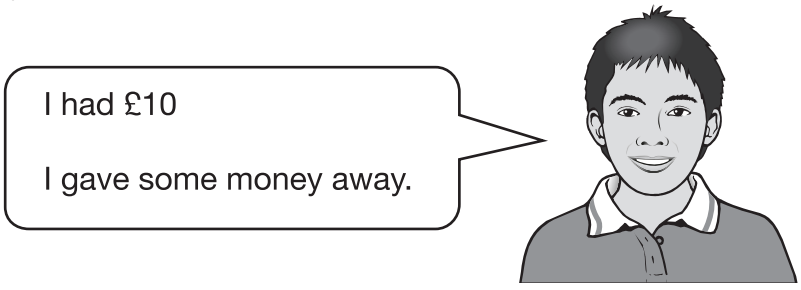
Which digit is in the **ten thousands** place?

1 mark

Round 3,576,219 to the **nearest million**.

1 mark

3 Dev says,



Which expression shows how much money Dev has left?

a is the amount of money, in pounds, that Dev gave away.

Tick **one**.

$10 + a$ ☐

$10 \div a$ ☐

$a - 10$ ☐

$10 - a$ ☐

$a \times 10$ ☐

1 mark

4 Write these masses in order, starting with the **lightest**.

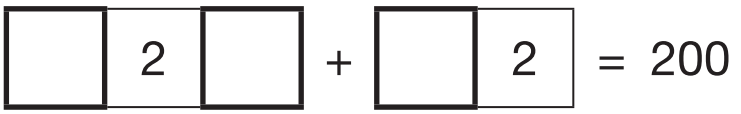
1.25 kg 0.99 kg 1.025 kg 0.009 kg

kg	kg	kg	kg

lightest

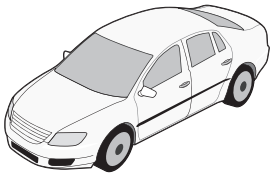
1 mark

5 Write the missing digits to make this **addition** correct.



1 mark

6 John buys one toy car and one pack of stickers.



£1.49

£1.64

He pays with a **£10** note.

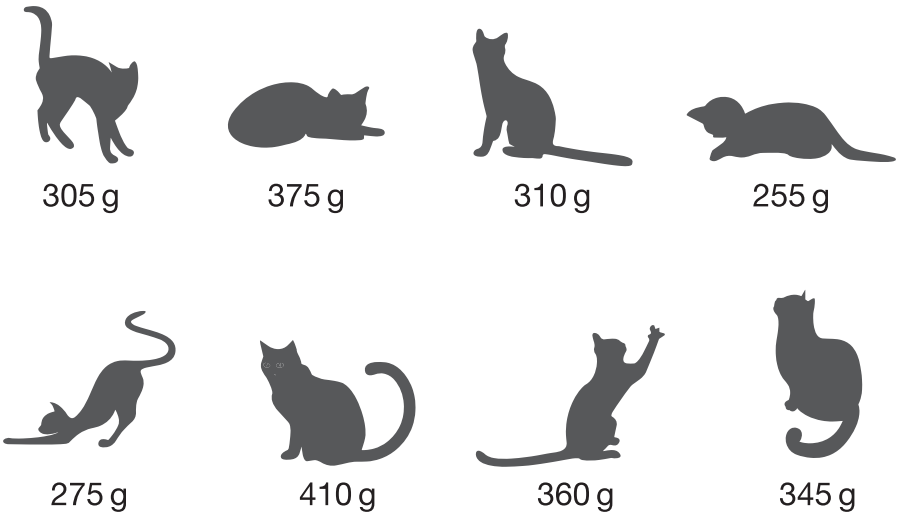
How much change does John get?

Show your method

£

2 marks

7 This picture shows the masses of eight kittens.



What is the **difference** in mass between the heaviest kitten and the lightest kitten?

g

1 mark

The masses of the kittens are to be put in four groups.

Write the missing numbers in the table.

One has been done for you.

Mass in g	Number of kittens
250–299	
300–349	
350–399	
400–449	1

1 mark

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

Then he scores another 355 points.

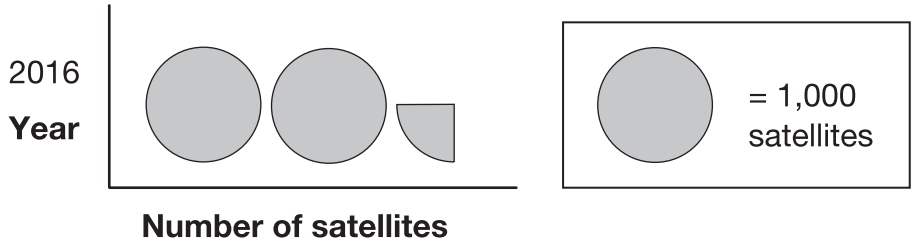
Ken's target is 6,000 points.

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

Show your method

2 marks

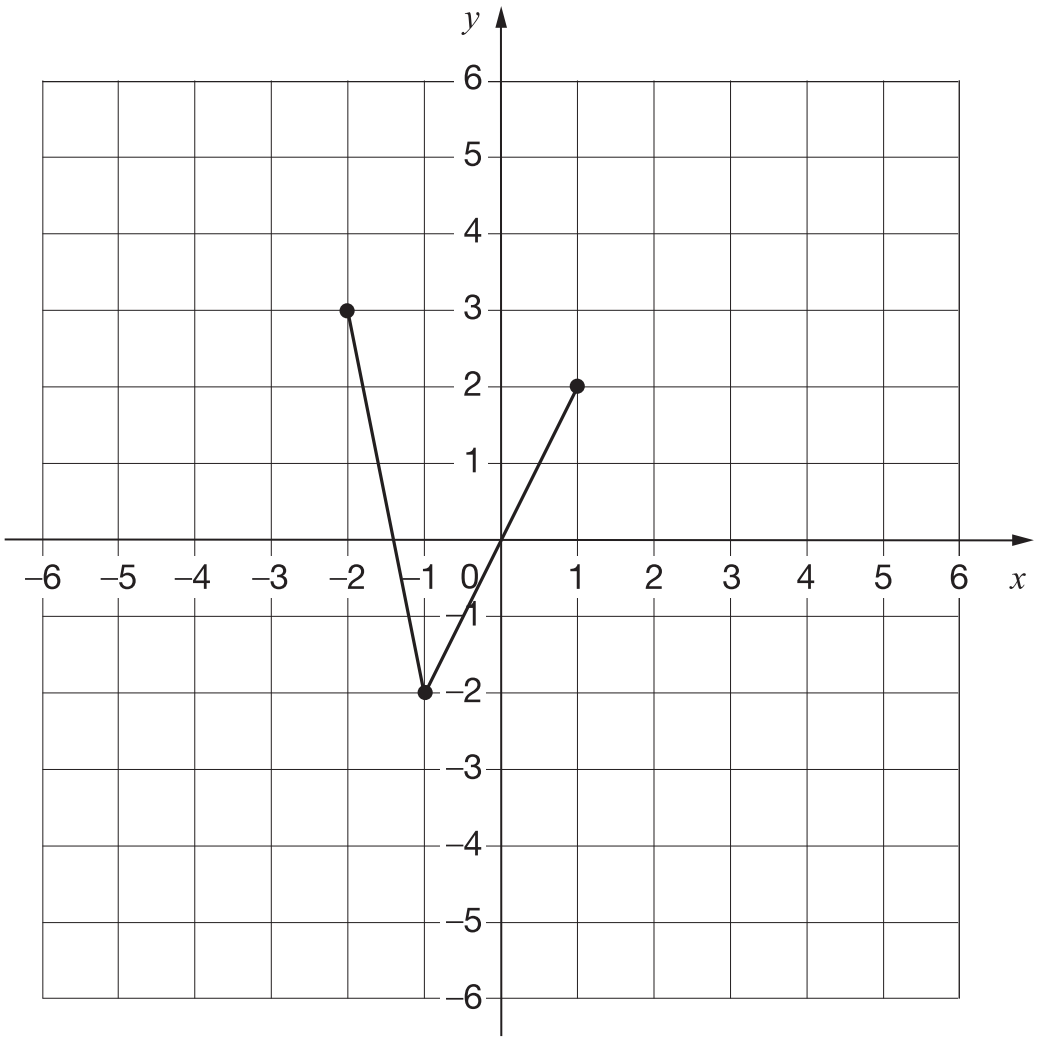
9 This pictogram shows the number of satellites above the Earth in 2016.



How many satellites were above the Earth in 2016?

1 mark

10 On the grid there are three points joined by two lines.



Lara plots **another point** on the grid at **(–1, 2)**.

She joins the points to make a quadrilateral.

Complete Lara's quadrilateral on the grid.
Use a ruler.

1 mark

Then Lara translates the quadrilateral **4 squares to the right**.

Draw the quadrilateral in its new position on the grid.

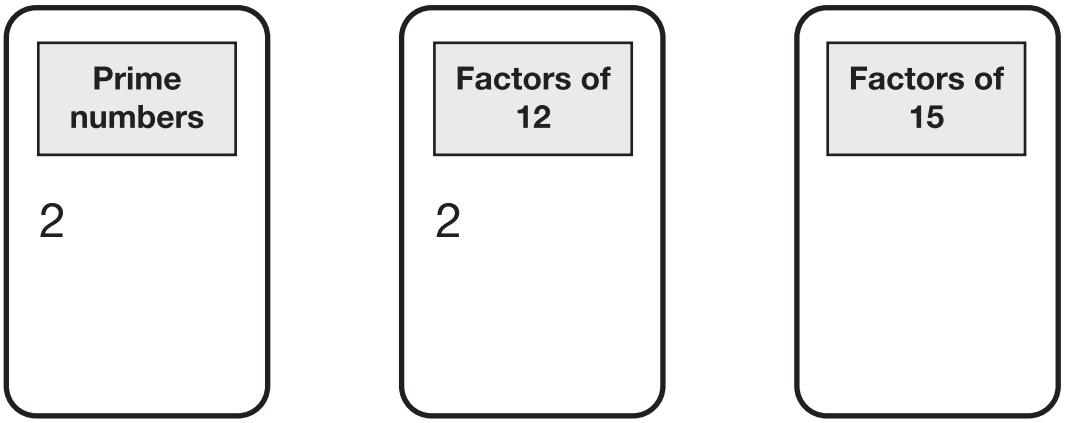
1 mark

11 Here are five numbers.

~~2~~ 3 4 5 6

Write each number on the correct cards.

The number 2 has been written on the correct cards for you.



2 marks

12 Amina's bed is 190 cm in length and 91 cm in width.

She is making a **one-tenth** scale model of the bed.

What are the length and width of Amina's model?

length = ☐ **cm**

width = ☐ **cm**

1 mark

13

Kirsty says,

When you double the size of an acute angle, you always get an obtuse angle.

Explain why Kirsty is **not** correct.

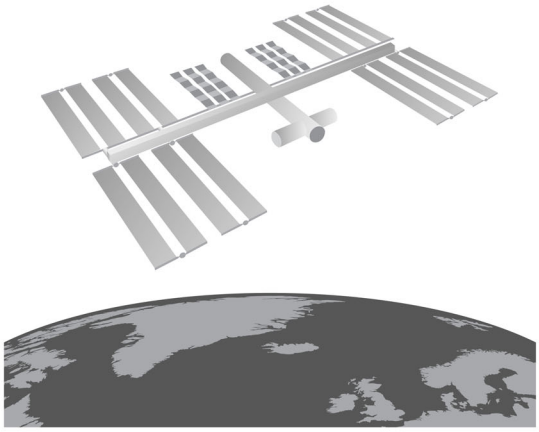
1 mark

14 How many days are there in September, October and November altogether?

days

1 mark

15



The International Space Station orbits the Earth at a height of 250 miles.

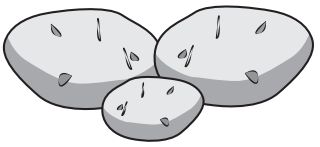
What is the height of the International Space Station in **kilometres**?

Use 8 kilometres equals 5 miles.

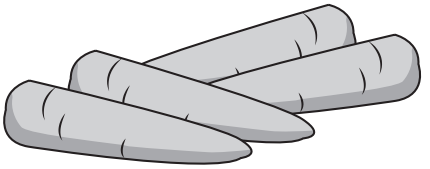
km

1 mark

16



potatoes
£1.50 per kg



carrots
£1.80 per kg

Jack buys $1\frac{1}{2}$ kg of potatoes and $\frac{1}{2}$ kg of carrots.

How much **change** does he get from **£5**?

Show your method

£

2 marks

17

$$x + 2y = 20$$

x and y are whole numbers **less than 10**

What could x and y be?

$x =$ ☐

$y =$ ☐

1 mark

18

Tick the fractions **less than** $\frac{5}{8}$

$\frac{1}{2}$ ☐

$\frac{2}{8}$ ☐

$\frac{3}{4}$ ☐

$\frac{7}{16}$ ☐

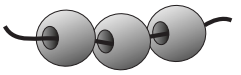
$\frac{24}{32}$ ☐

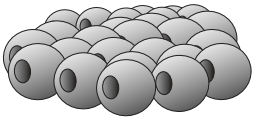
2 marks

19 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.

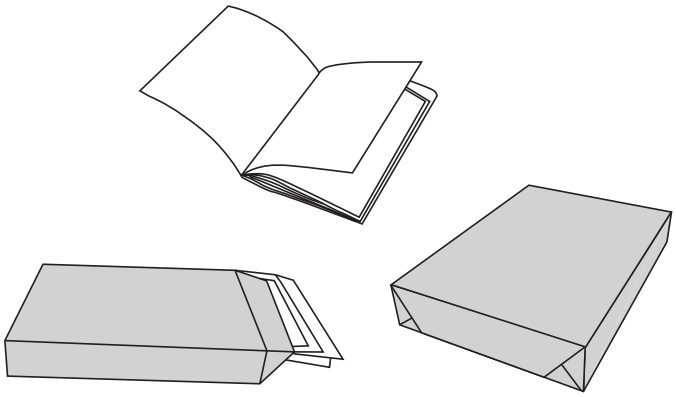
How many beads does Layla use **altogether**?

Show your method

beads

3 marks

20 Adam is making booklets.



Each booklet must have **34** sheets of paper.

He has **2** packets of paper.

There are **500** sheets of paper in each packet.

How many complete booklets can Adam make from **2** packets of paper?

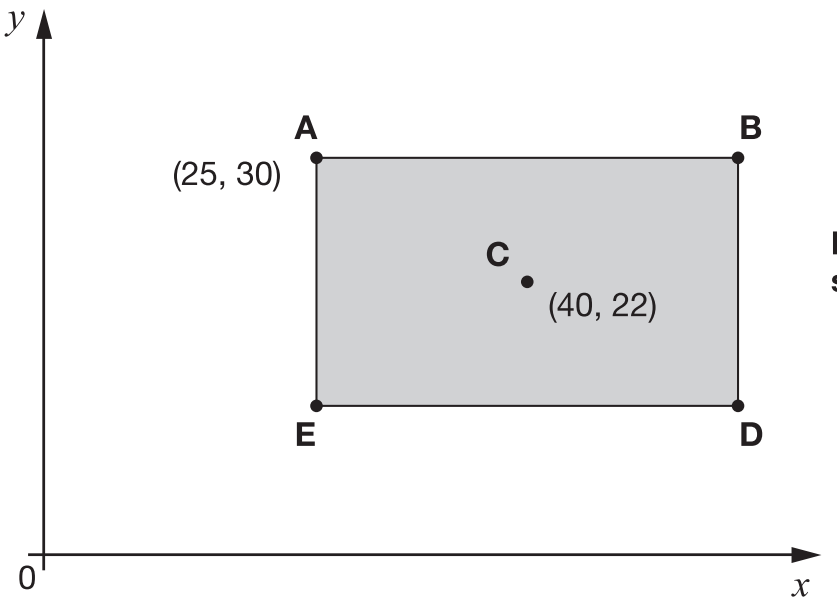
Show your method

booklets

2 marks

21 **ABDE** is a rectangle on coordinate axes.

The sides of the rectangle are parallel to the axes.



Point **C** is the centre of the rectangle.

What are the coordinates of **B** and **D**?

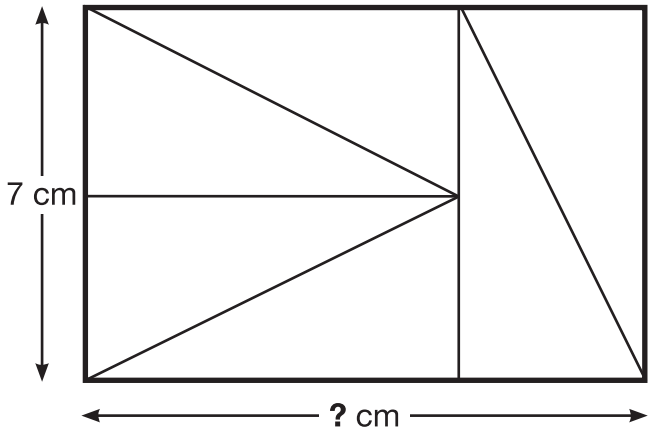
B is (,)

1 mark

D is (,)

1 mark

22 Six identical right-angled triangles are arranged to make a rectangle.



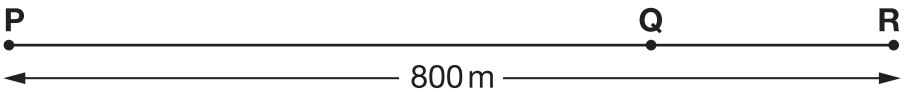
Not actual size

Calculate the **length** of the rectangle.

cm

1 mark

23

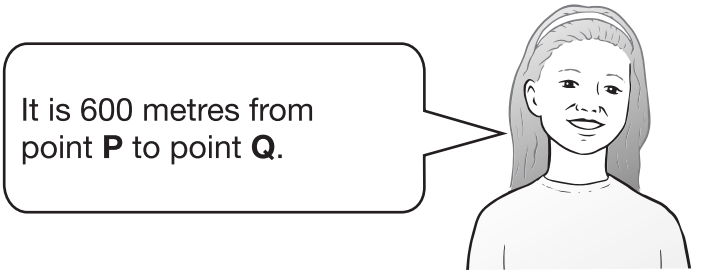


Not to scale

The distance from point **P** to point **R** is 800 metres.

The distance from point **P** to point **Q** is **4 times** the distance from point **Q** to point **R**.

Olivia says,



Explain why Olivia is **not** correct.

1 mark