1 The numbers in this sequence increase by 14 each time.

Write the missing numbers.

2 marks

2 This table shows the temperature at 9am on three days in January.

1st January	8th January	15th January
+ 5°C	– 4°C	+ 1°C

What is the difference between the temperature on 1st January and the temperature on 8th January?

°C

1 mark

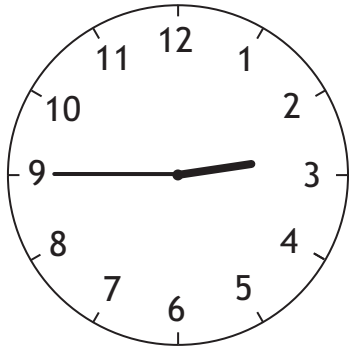
On 22nd January the temperature was 7 degrees lower than on 15th January.

What was the temperature on 22nd January?

°C

1 mark

3 A clock shows this time twice a day.

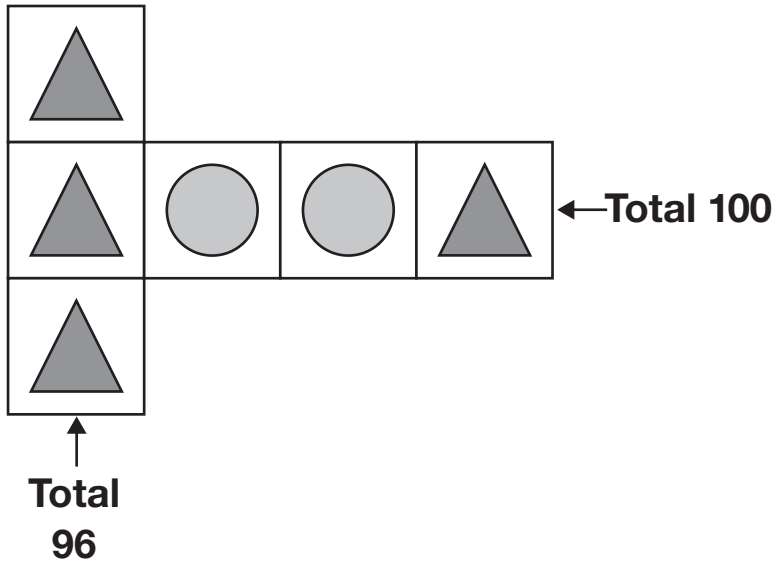


Tick the two digital clocks that show this time.

03:45	02:45	09:45
21:45	14:45	

1 mark

4 Each shape stands for a number.



Work out the **value** of each shape.

▲ = _____ 1 mark

● = _____ 1 mark

5 Write these numbers in order, starting with the **smallest**.

0.78 0.607 5.6 0.098 4.003

smallest

1 mark

6 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.

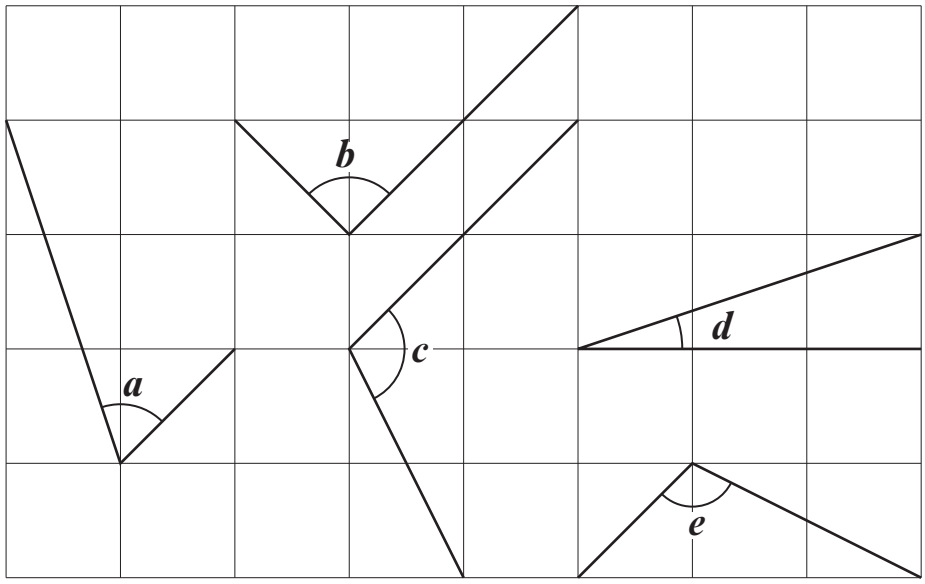
Work out the length of the third piece.

Show your method

metres

2 marks

7 Here are five angles marked on a grid of squares.



Write the letters of the angles that are **obtuse**.

_____

1 mark

Write the letters of the angles that are **acute**.

_____

1 mark

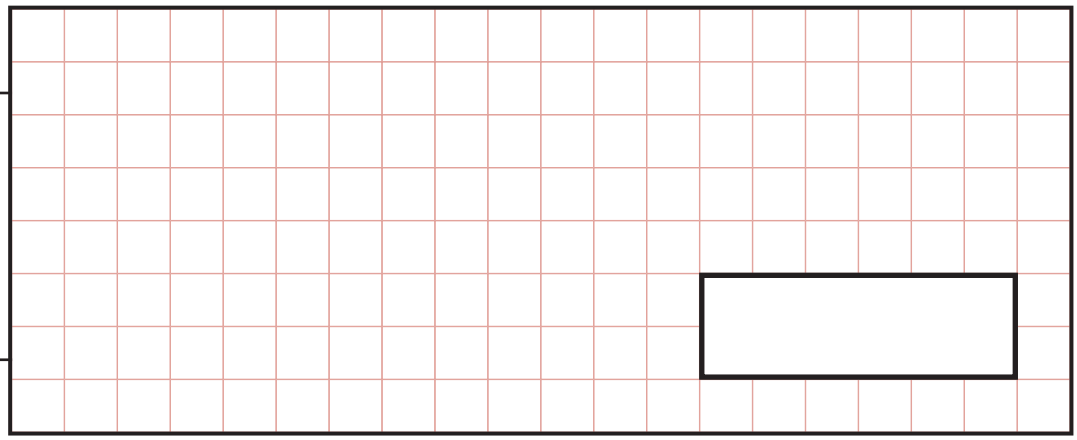
8 Olivia buys three packets of nuts.

She pays with a **£2 coin**.

This is her change.

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

Show your method



2 marks

9 Here is part of the bus timetable from Riverdale to Mott Haven.

Riverdale	10:02	10:12	10:31	10:48
Kingsbridge	10:11	10:21	10:38	10:55
Fordham	10:28	10:38	10:54	11:11
Tremont	10:36	10:44	11:00	11:17
Mott Haven	10:53	11:01	11:17	11:34

How many minutes does it take the 10:31 bus from Riverdale to reach Mott Haven?

minutes

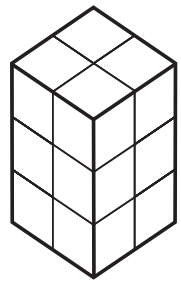
1 mark

Mr Evans is at Fordham at 10:30

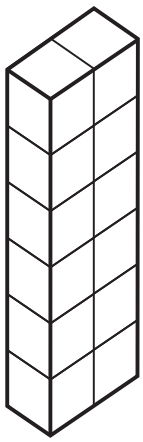
What is the **earliest** time he can reach Tremont on the bus?

1 mark

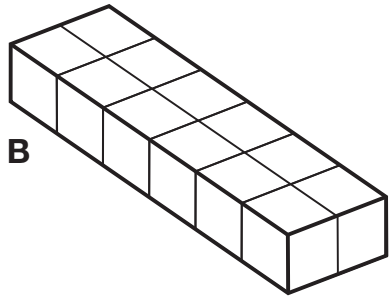
10 Emma makes a cuboid using 12 cubes.



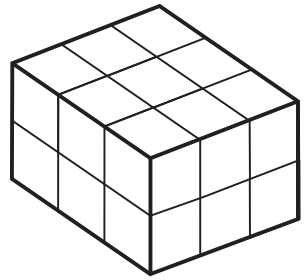
Write the letter of the cuboid that has a **different** volume from Emma's cuboid.



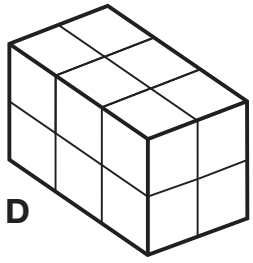
A



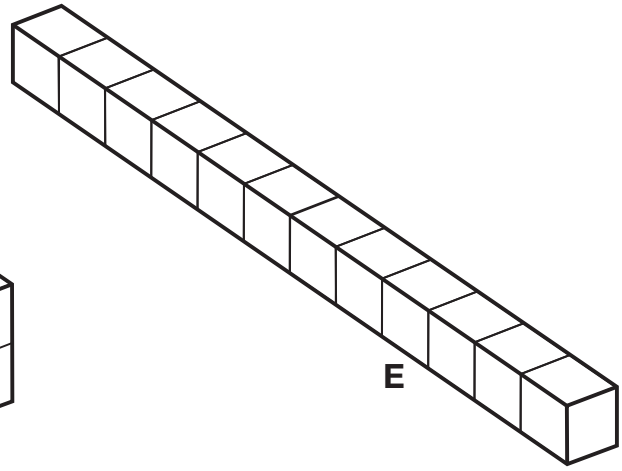
B



C



D



E

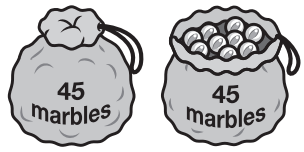
_____

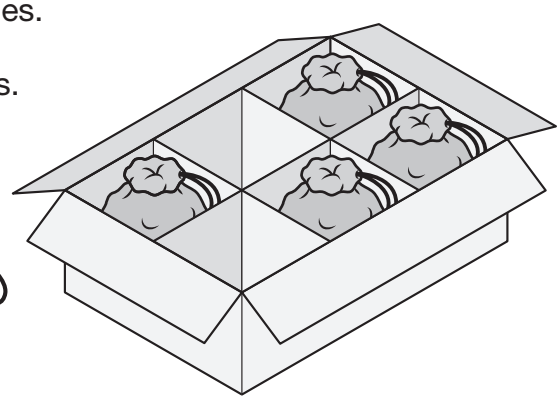
1 mark

11 A toy shop orders 11 boxes of marbles.

Each box contains 6 bags of marbles.

Each bag contains 45 marbles.





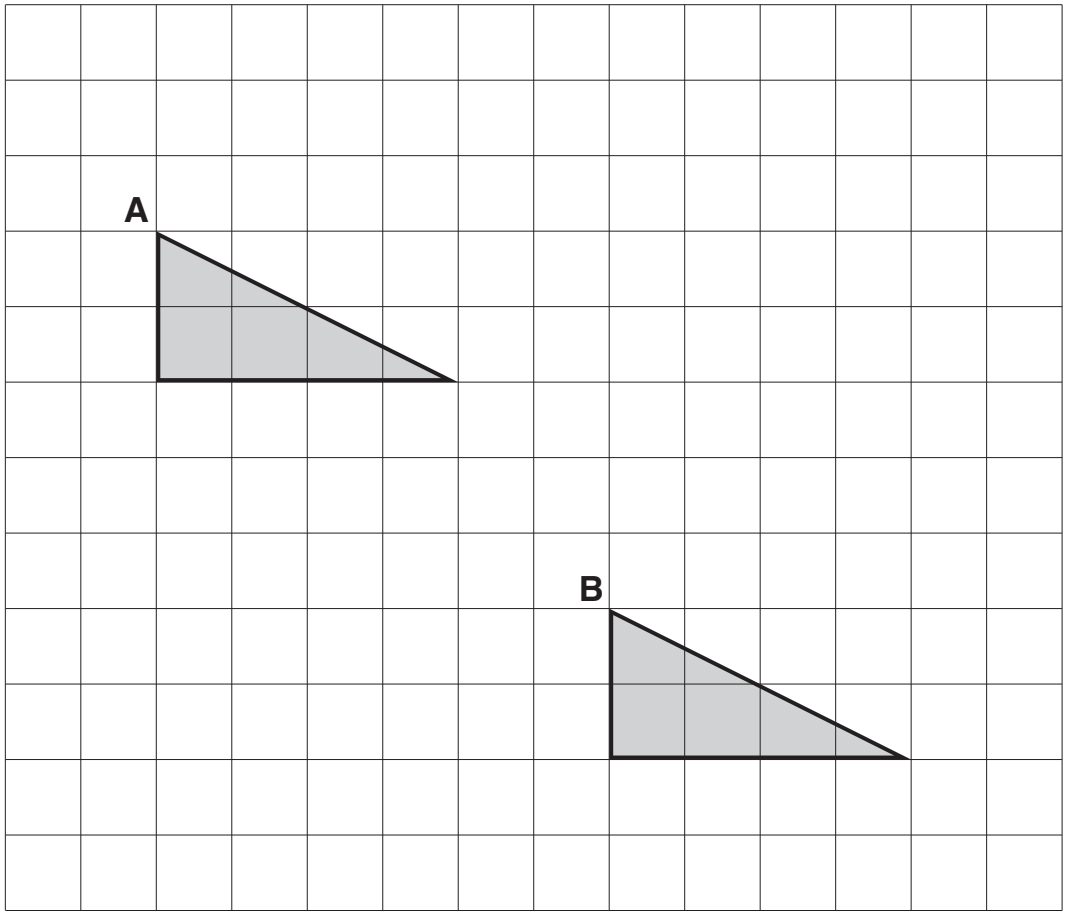
How many **marbles** does the shop order in total?

Show your method

marbles

2 marks

12 A triangle is translated from position **A** to position **B**.



Complete the sentence.

The triangle has moved ☐ squares to the right

and ☐ squares down.

1 mark

13 Lara chooses a number less than 20

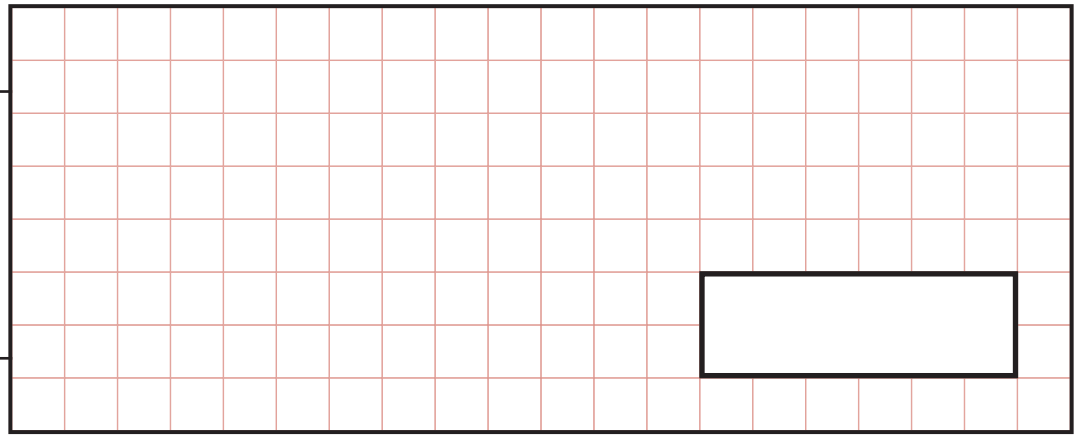
She divides it by 2 and then adds 6

She then divides this result by 3

Her answer is 4.5

What was the number she started with?

Show your method



2 marks

14 Complete each sentence using a number **from the list below**.

120 240 600 1,440 3,600 6,000

There are ☐ seconds in an hour.

1 mark

There are ☐ minutes in a day.

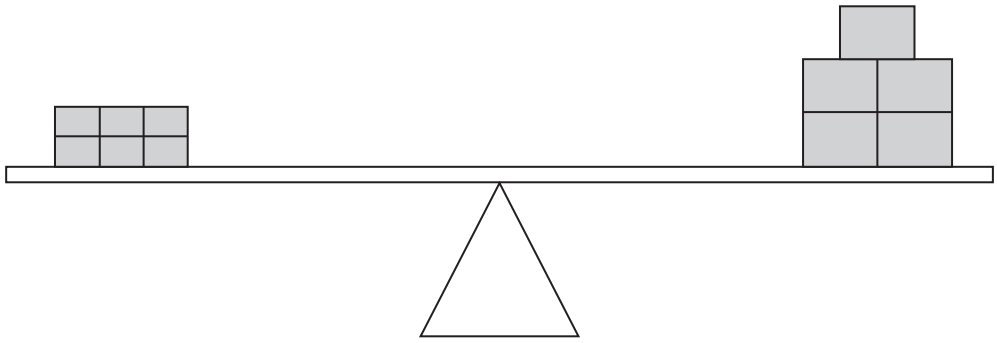
1 mark

15 Complete this table by rounding the numbers to the **nearest hundred**.

	Rounded to the **nearest hundred**
20,906	
2,090.6	
209.06	

2 marks

16 6 small bricks have the same mass as 5 large bricks.



The mass of one small brick is 2.5 kg.

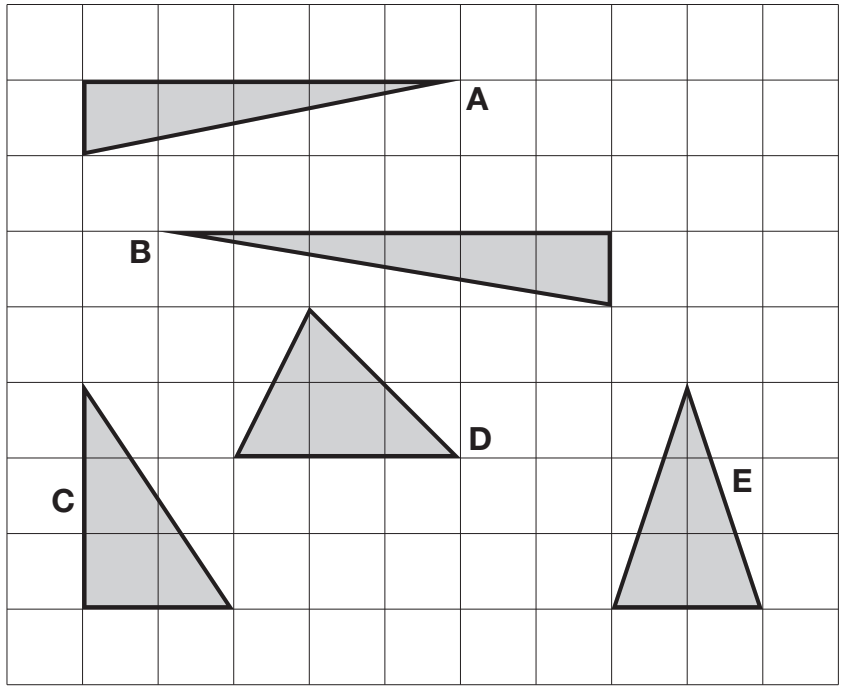
What is the mass of one large brick?

Show your method

kg

2 marks

17 Here are five triangles on a square grid.



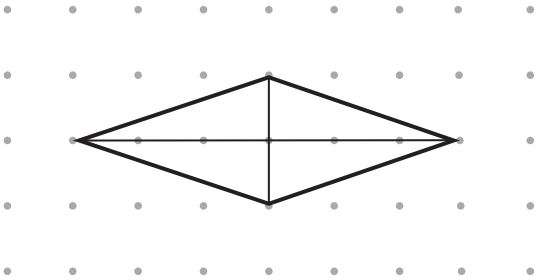
Four of the triangles have the same area.

Which triangle has a **different** area?

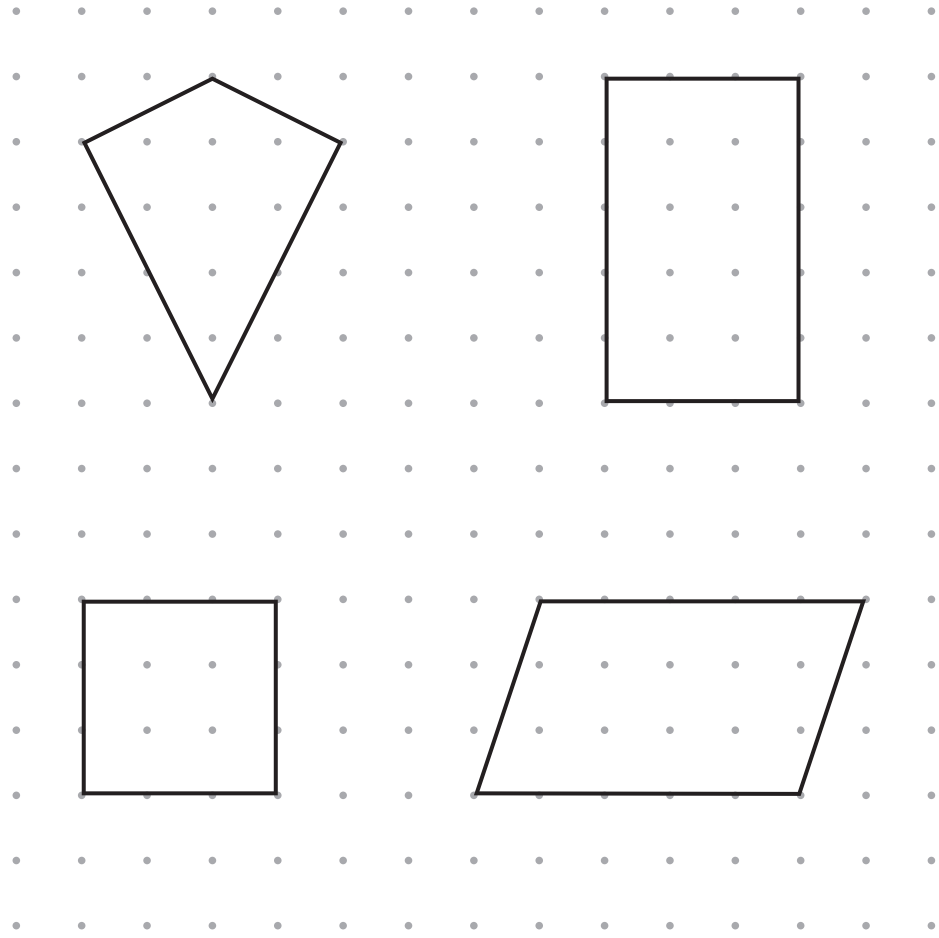
_____

1 mark

18 The diagonals of this quadrilateral cross at right angles.



Tick **all** the quadrilaterals that have diagonals which cross at right angles.



2 marks

19 Circle two numbers that multiply together to equal **1 million**.

200 2,000 5,000 50,000

1 mark

20 Lara had some money.

She spent £1.25 on a drink.

She spent £1.60 on a sandwich.

She has **three-quarters** of her money left.

How much money did Lara have to **start with**?

Show your method

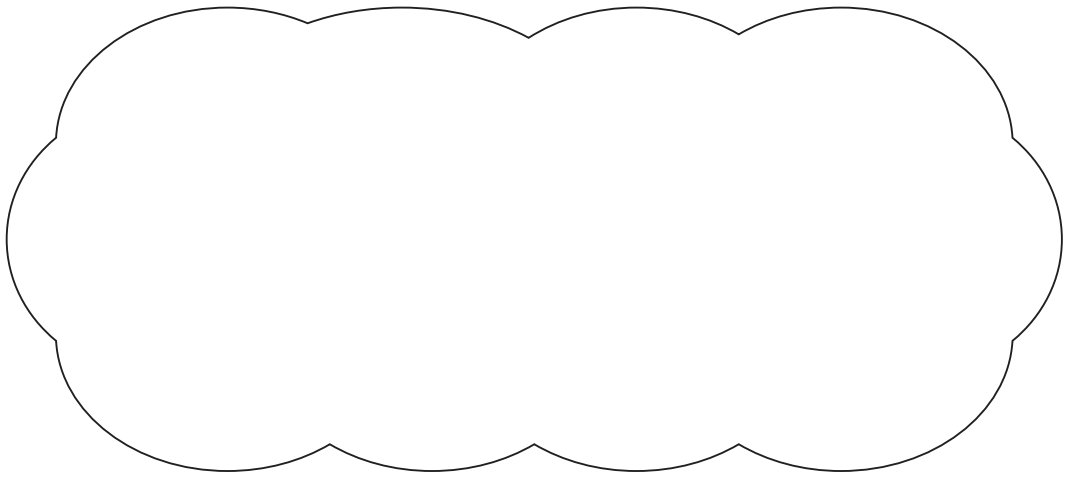
£

2 marks

21

$$5{,}542 \div 17 = 326$$

Explain how you can use this fact to find the answer to **18 × 326**



1 mark