Ma

KEY STAGE

LEVELS

Mathematics

Paper 2

Calculator **not** allowed

First name				
Middle name				
Last name				
Date of birth	Day	Month	Year	
School name				
DfE number				



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Instructions

You may not use a calculator to answer any questions in this paper.

Work as quickly and as carefully as you can.

You have **45 minutes** for this test.

If you cannot do one of the questions, **go on to the next one**.

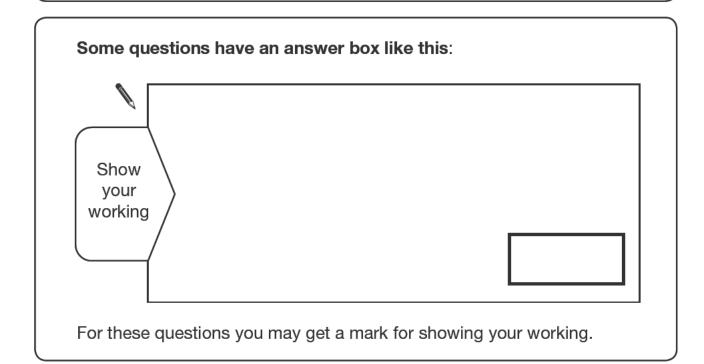
You can come back to it later, if you have time.

If you finish before the end, go back and check your work.

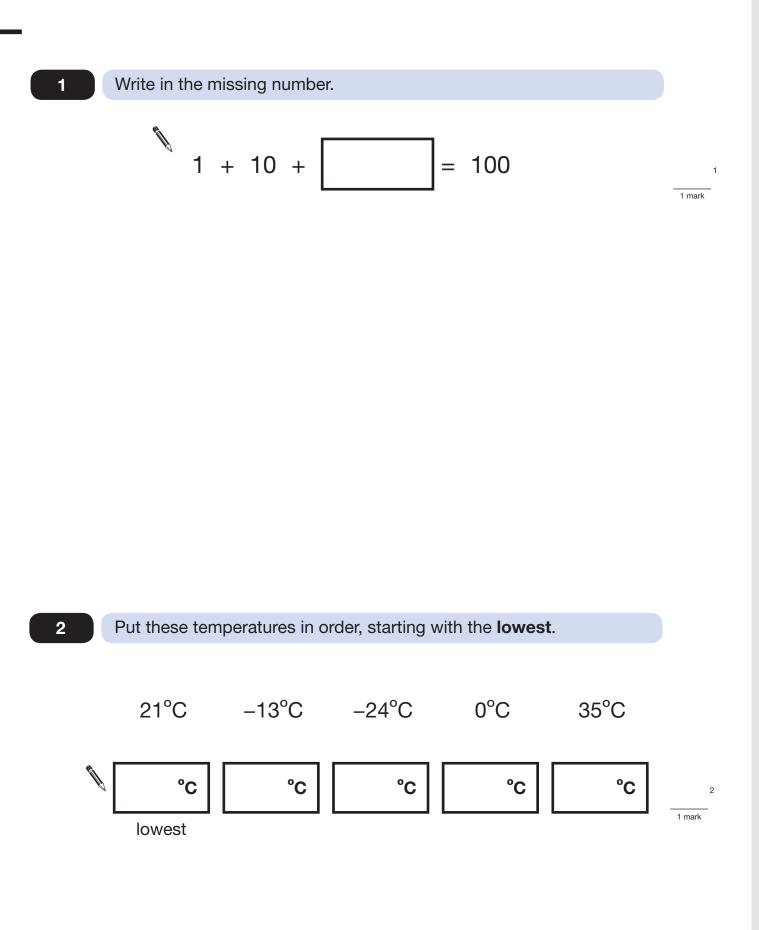
Follow the instructions for each question carefully.

This shows where you need to put the answer.

If you need to do working out, you can use any white space on a page. Do not write over any barcode.



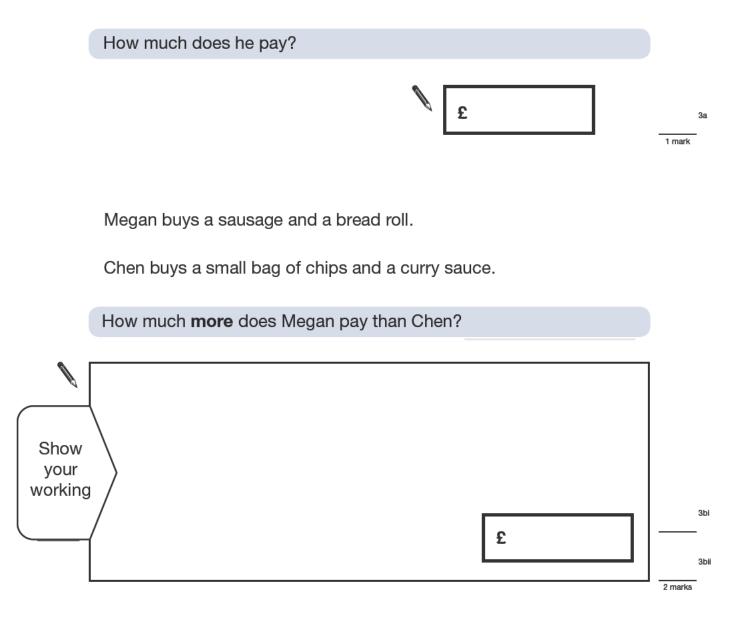






Fish	£2.30	Peas	35p
Sausage	£1.80	Curry sauce	40p
Chips (small bag)	60p	Bread roll	30p
Chips (large bag)	90p	Pickled onion	28p

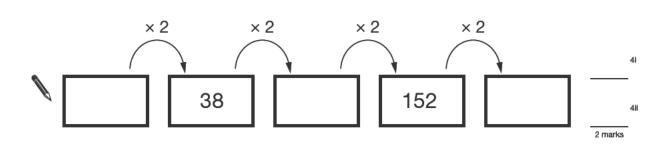
Alfie buys one fish, a large bag of chips and a pickled onion.



3

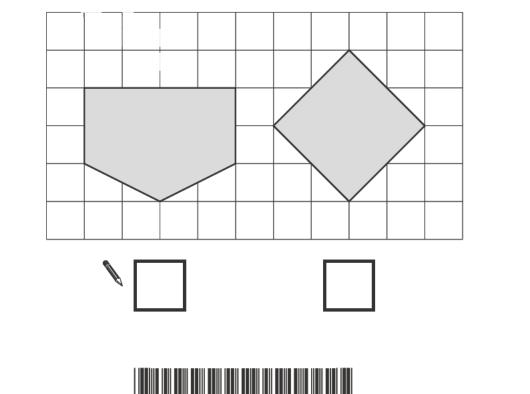
Here is a doubling sequence.

Write the three missing numbers.



Here are two shapes on a square grid.

For each shape, write how many **right angles** it has.



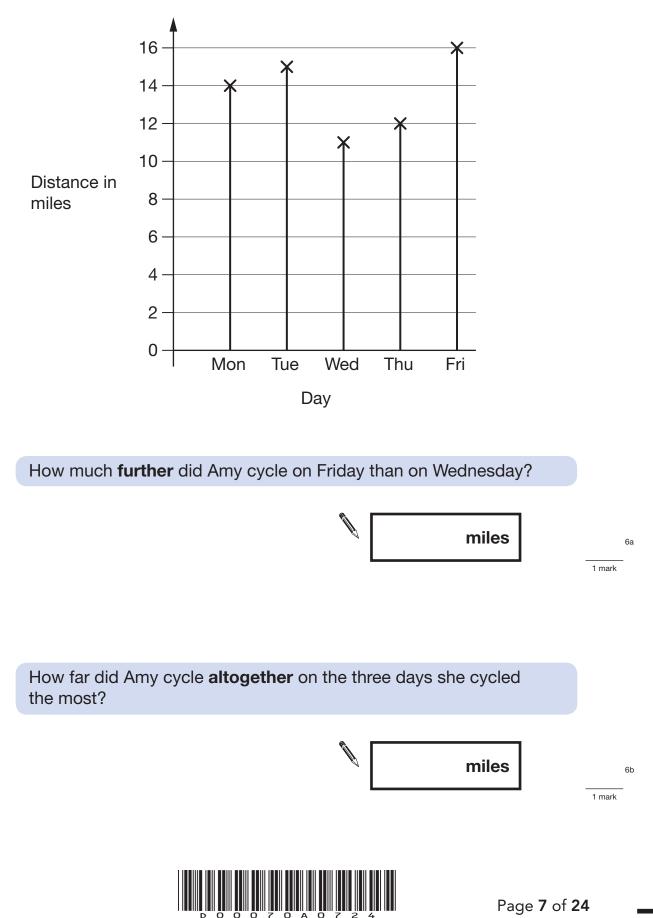
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5

1 mark

Amy went on a cycling holiday.

This chart shows how far she cycled each day.

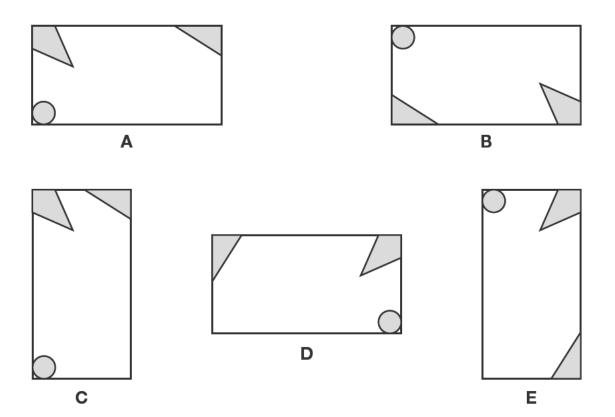


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6



Here are five more rectangular tiles.



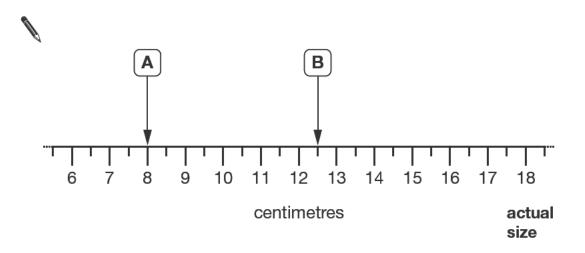
Write the letters of **all** the tiles that have the same design as Megan's tile.

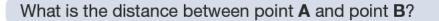


7i

7ii

2 marks







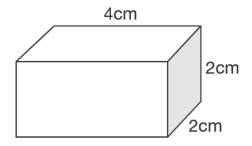
Point **C** is **twice as far** from point A as it is from point B.

On the scale above, mark one place where point C could be.

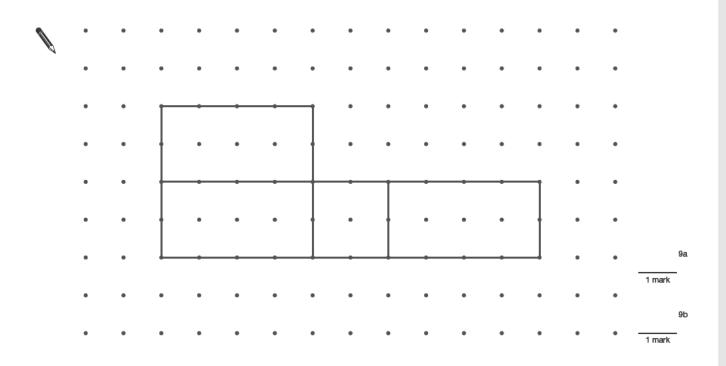
8b

1 mark

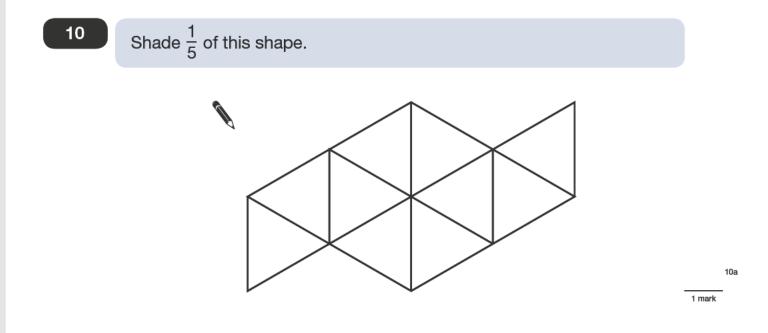




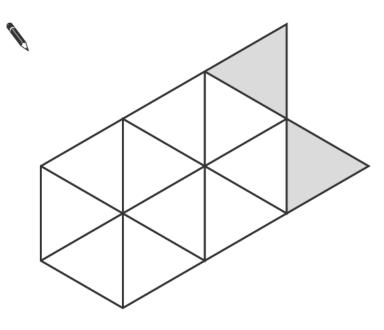
Draw **two** more faces to complete the net of the cuboid.







Shade **more** triangles on this shape so that $\frac{1}{3}$ is shaded.

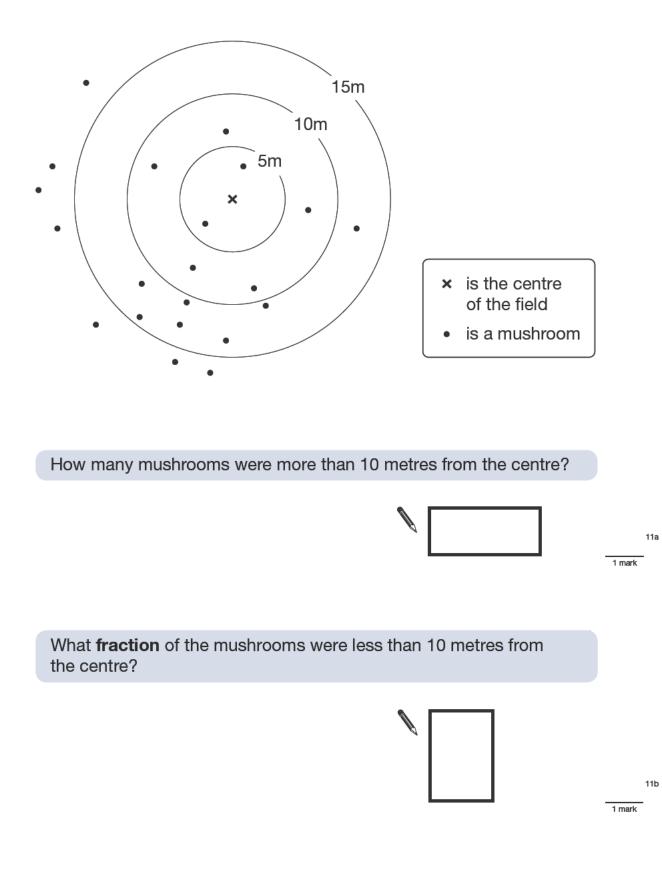


10b

1 mark

Class 6 did a survey of mushrooms growing in a field.

The diagram shows the distances of mushrooms from the centre of the field.





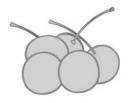
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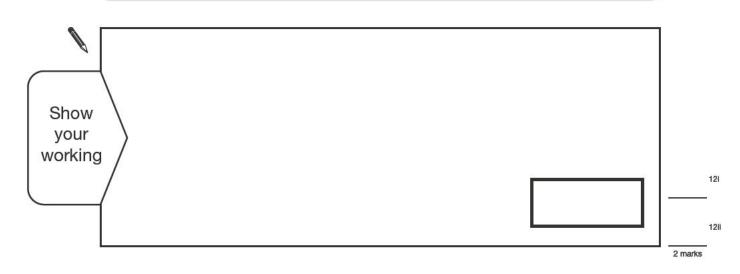
Seb had some cherries.

Every day he ate 10 cherries and gave 5 away.

After he gave the last 5 cherries away, he had eaten 40 cherries altogether.

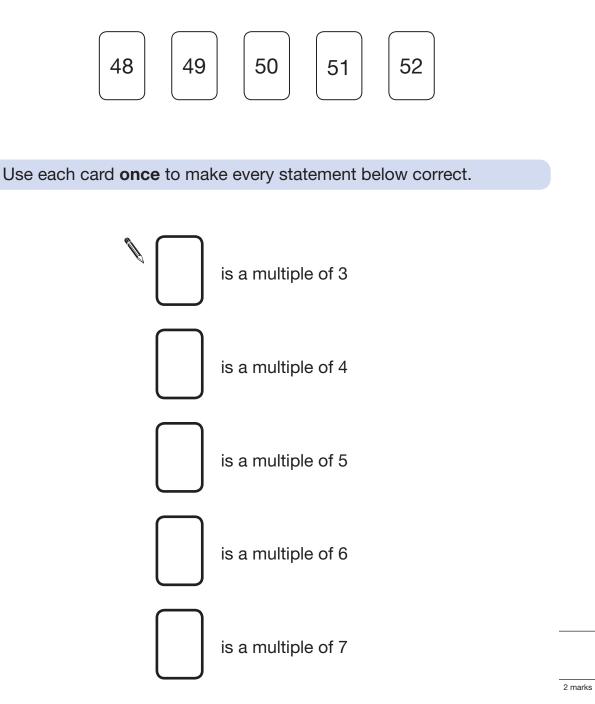


How many cherries did Seb have at the start?





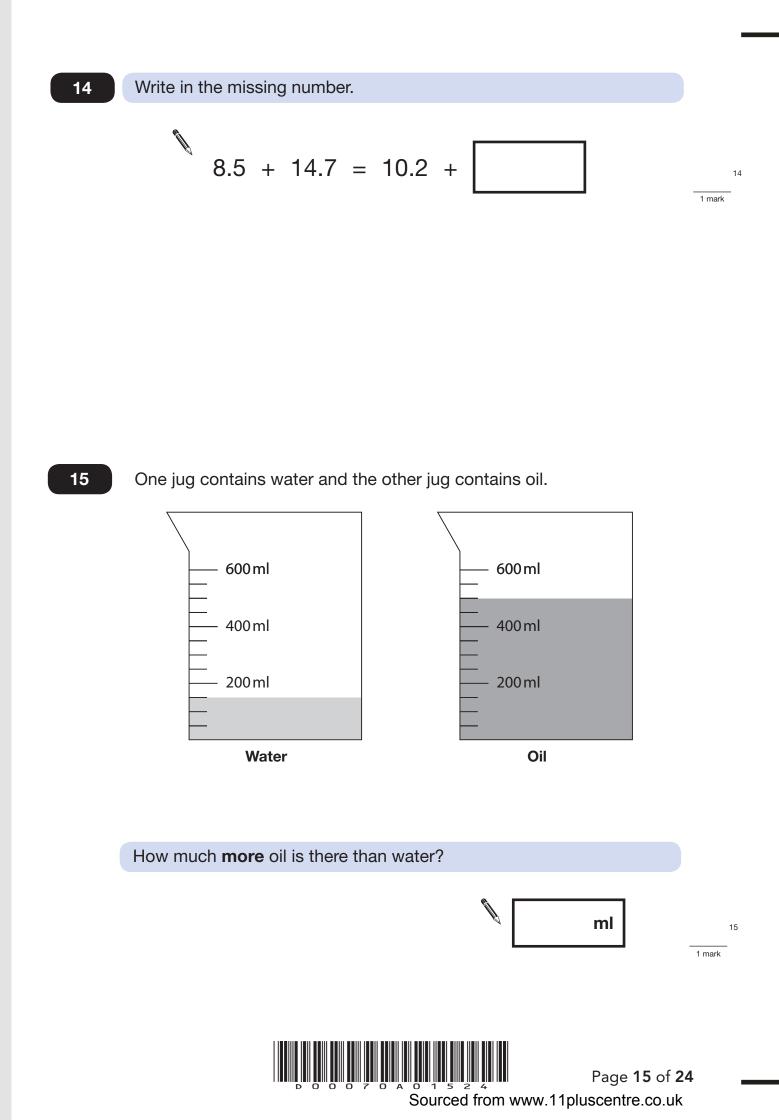
12

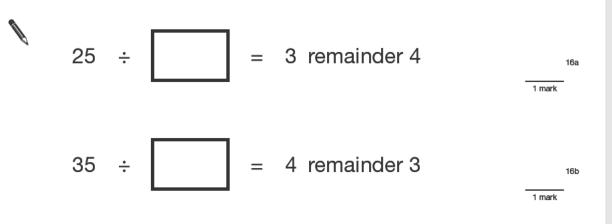




13i

13ii

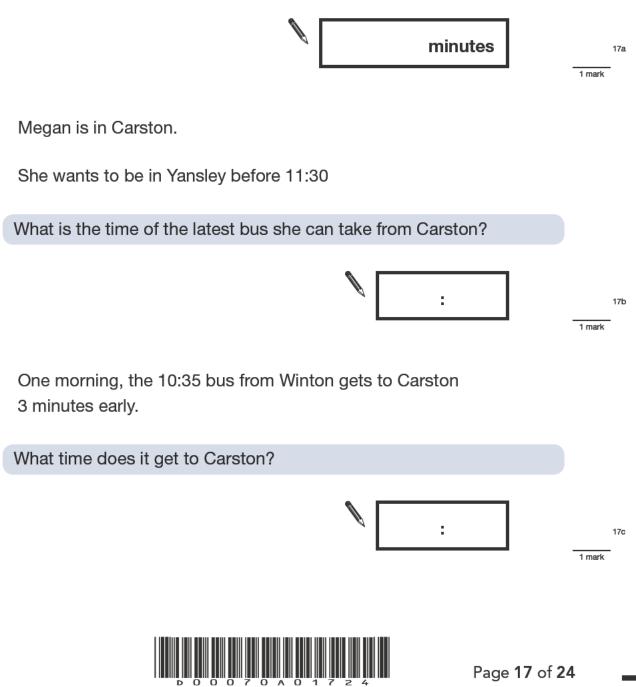






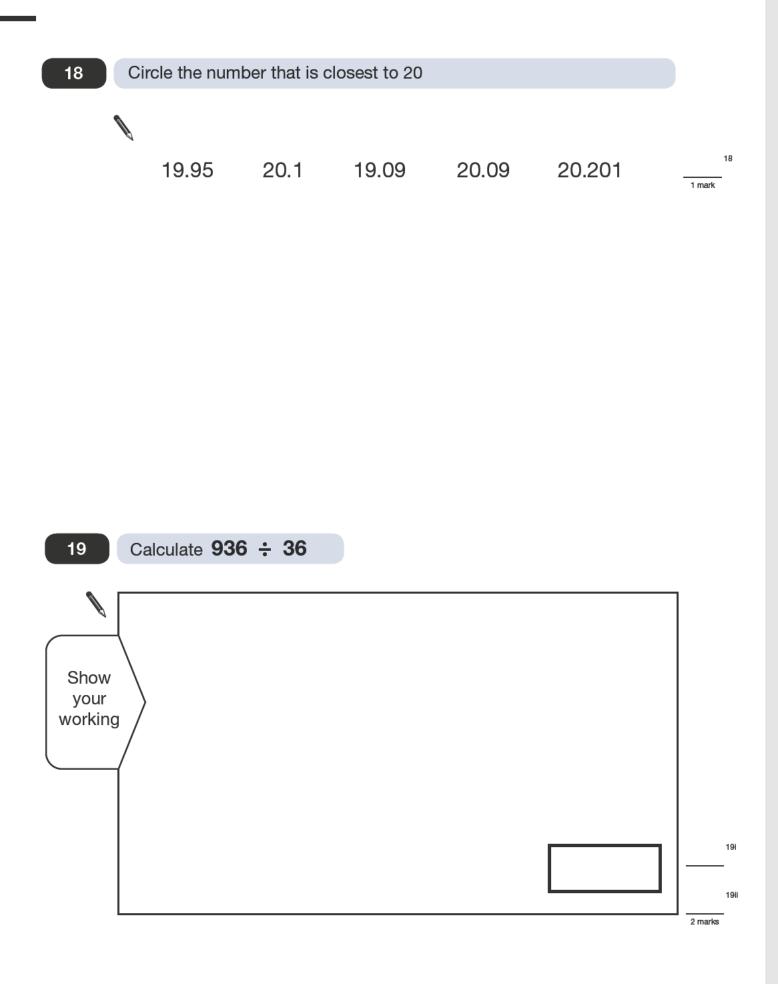
Winton	9:35	9:55	10:15	10:35
Ingham	9:45	10:05	10:25	10:45
Carston	10:01	10:21	10:41	11:01
Dubley	10:23	10:43	11:03	11:23
Yansley	10:55	11:15	11:35	11:55

How many minutes does the bus take to get from Ingham to Dubley?



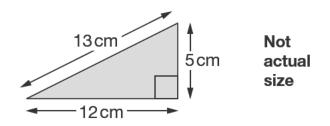
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17

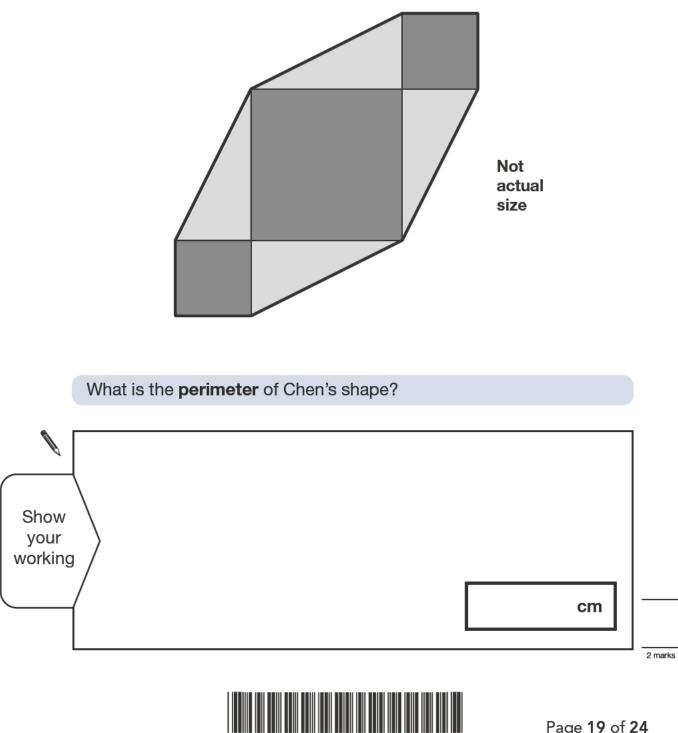




20



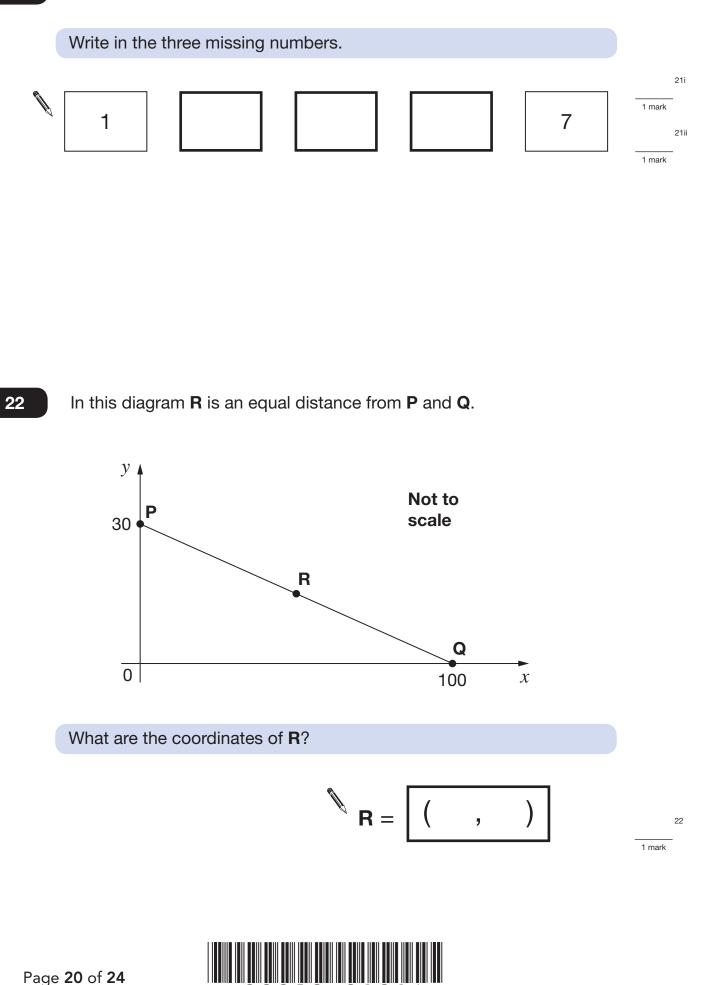
He makes this shape with four of his triangular tiles and three square tiles.



20i

20ii





21

Megan and Chen each have a bag of counters.

Megan's bag has 5 blue counters and 5 green counters.

Chen's bag has **10** blue counters, **5** green counters and **5** red counters.



Megan's bag



Chen's bag

They each take a counter from their bag without looking.

Chen says,

'I am more likely than Megan to take a blue counter.'

Is Chen correct? Circle **Yes** or **No**.

Yes / No

Explain how you know.



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