Ma

KEY STAGE

LEVELS

202

Mathematics tests

Paper 1

Calculator **not** allowed

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

For marker's use only

Page	Marks
5	
7	
9	
11	
13	
15	
17	
19	
21	
23	
Total marks	

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Instructions

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

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**.

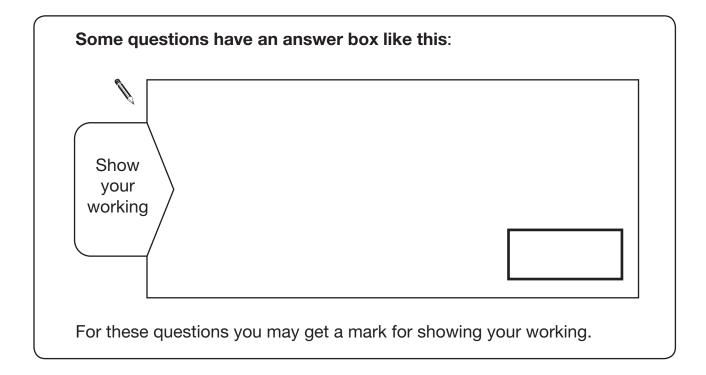
You can come back to it later, if you have time.

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

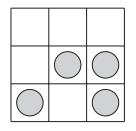
Follow the instructions for each question carefully.

This shows where you need to put the answer.

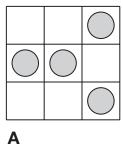
If you need to do working out, you can use any space on a page.

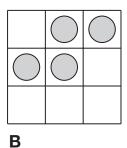


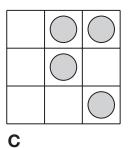
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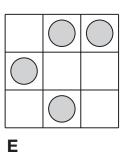
Write the letter of the grid below that has the same pattern as the grid above.

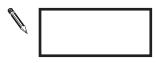






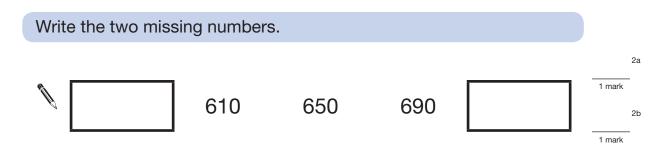
0 0 0





1 mark

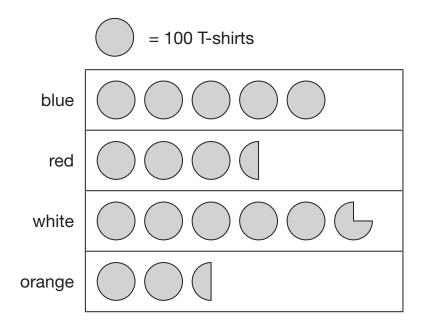
The numbers in this sequence increase by the same amount each time.



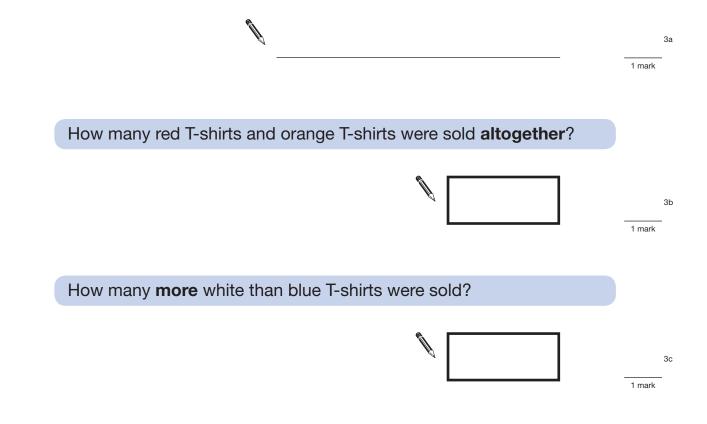
Total out of 3 _____

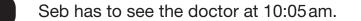
A shop sells T-shirts.

This chart shows how many T-shirts were sold in a month.



Write the colours of the T-shirts that sold more than 400 in the month.





He gets to the doctor's surgery at 9:52 am.

How many minutes early is he?			
		minutes	4a 1 mark
He leaves the doctor's surgery at 10:	25am.		
He gets to school 45 minutes later.			
What time does he arrive at school?			
		am	4b 1 mark

Total out of 5 _____

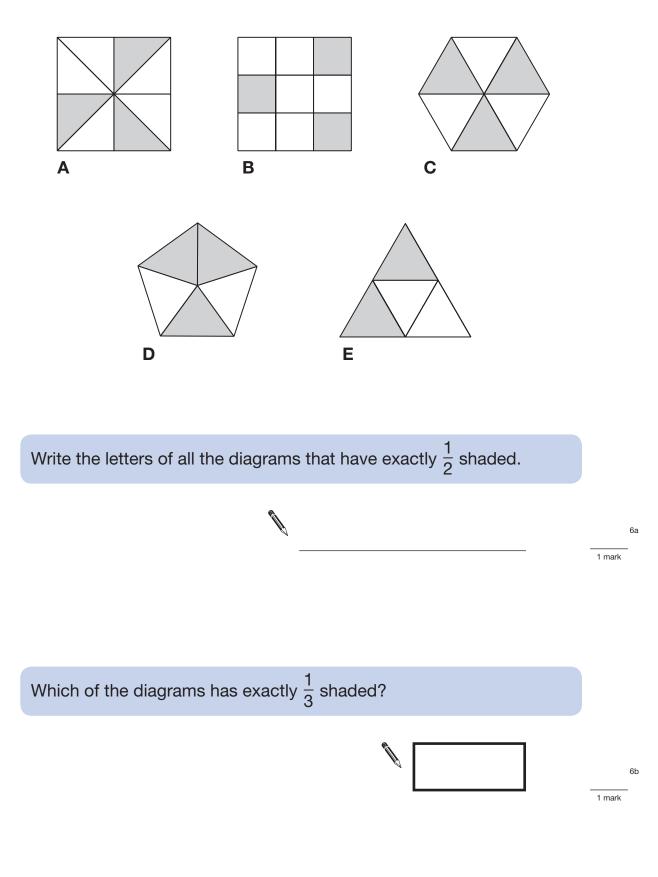
Ŵ	×	8	5	
	4		20	28
	5	40		35
	3	24	15	21

5i

5ii

2 marks

Each of these diagrams is divided into equal parts. Some of the parts are shaded.



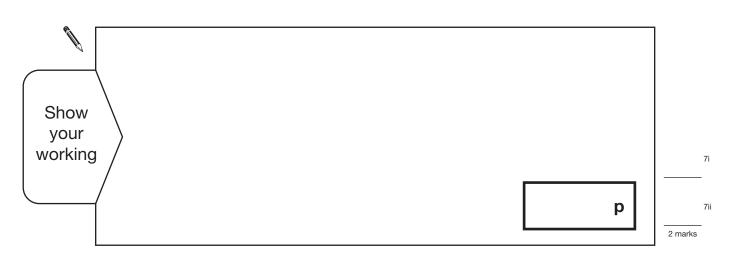
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He pays with a £1 coin and gets 64p change.

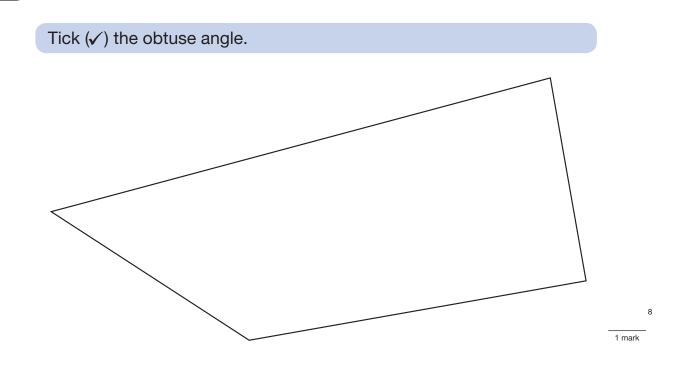


How much does **one** apple cost?



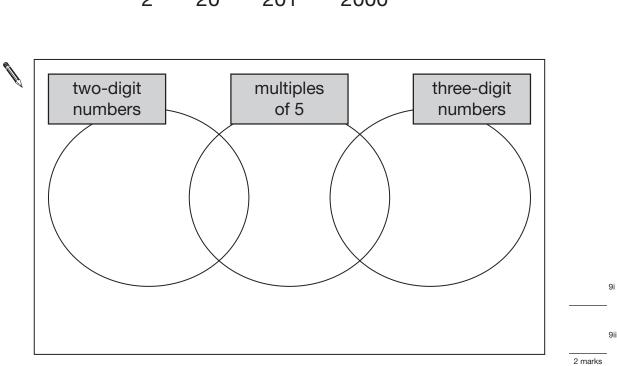
8

In this shape, one of the angles is **obtuse**.



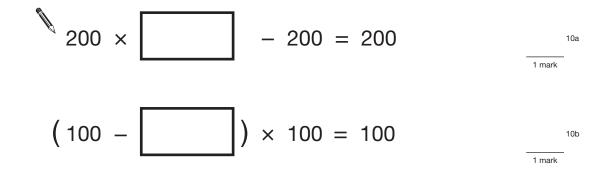
Here is a diagram for sorting numbers.

Write **each** number in its correct place on the diagram.



2 20 201 2000

Total out of 5 _____



Seb saved up for a new skateboard that cost £40



The table shows how much money he saved each week.

Week number	1	2	3	4	5	6	7	8	9	10
Amount saved	£5	£4	£2	£4	£3	£4	£6	£4	£3	£5

In which week did Seb reach **half** the amount he needed for the skateboard?

Week	
	1 mark

If Seb had saved an extra $\pounds 1$ each week, in which week would he have reached his target of $\pounds 40$?



Total out of 4

This weather chart shows the highest and lowest temperatures in a town on five days in March.

	Tempera	ature °C
	highest	lowest
Monday	+7	0
Tuesday	+7	-2
Wednesday	+8	-2
Thursday	+9	+1
Friday	+4	-5

Which day has the greatest difference between the highest and the lowest temperatures?



degrees

1 mark

What is the difference between the lowest temperatures on Thursday and Friday? Ø

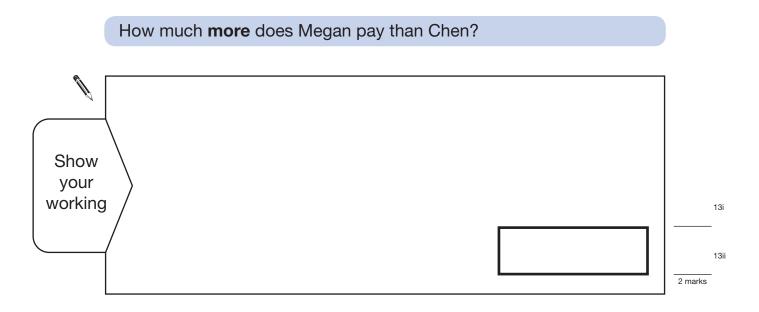
1 mark

12b

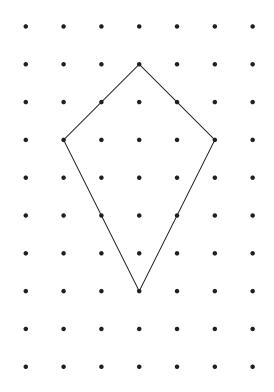
13 Chen and Megan each buy a sandwich.

Chen gets 5p change from £2

Megan gets $\pounds 2.25$ change from $\pounds 5$



Total out of 4 _____



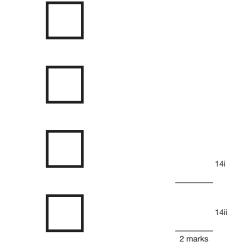
For each statement, put a tick (\checkmark) if it is true. Put a cross (\varkappa) if it is not true.

The shape is a quadrilateral.

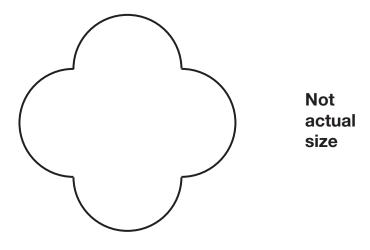
The shape has 2 lines of symmetry.

The shape is a parallelogram.

The shape has one right angle.

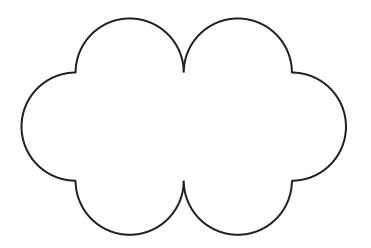


This shape is made out of four identical curves.

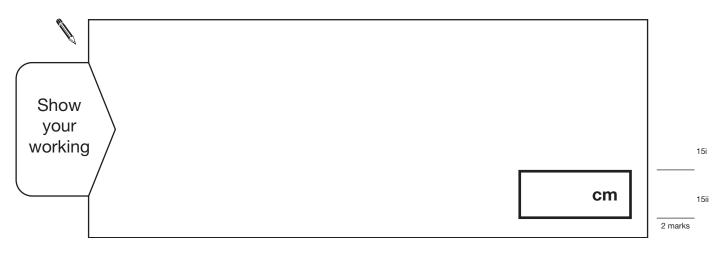


The perimeter of the shape is 28 centimetres.

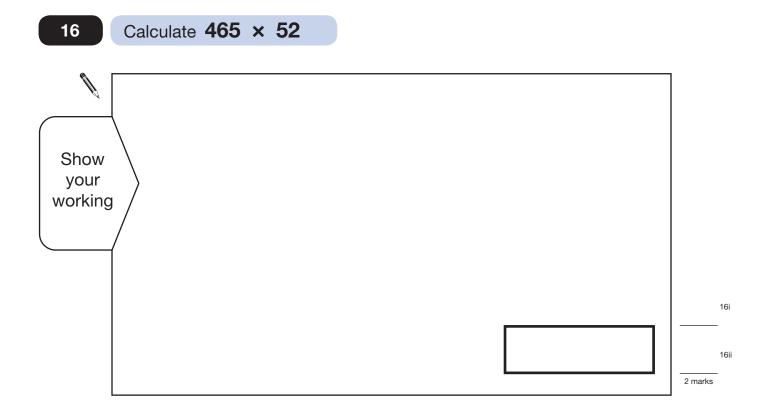
A new shape is made out of curves of the same size.

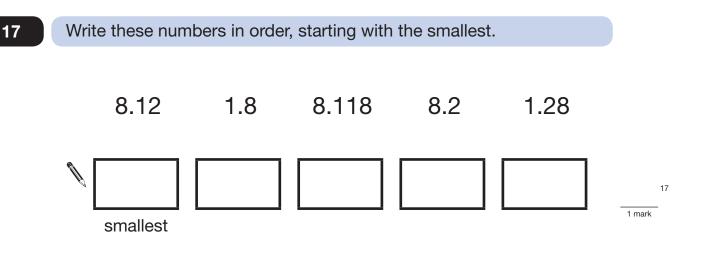


What is the perimeter of the new shape?



Total out of 4

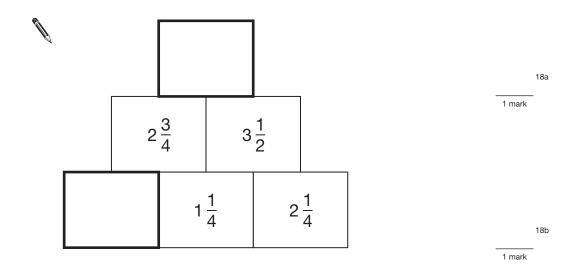




In this diagram, the number in each box is the **sum** of the two numbers below it.

Write the missing numbers.

18

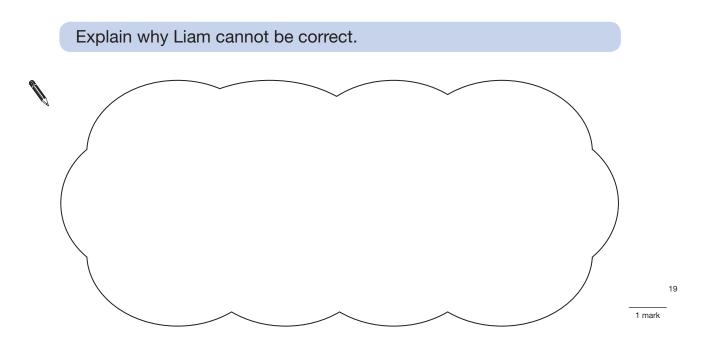


Total out of 5 _____

Liam did a survey of 55 people to see how many were left-handed.

Liam says,

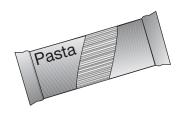
'The results show that exactly 10% of the people in the survey are left-handed.'

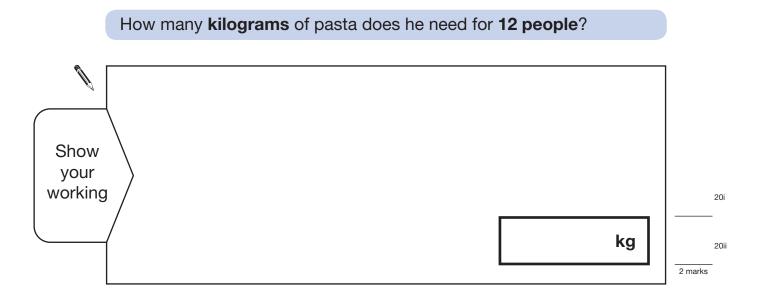


Chen is cooking some pasta.

20

The recipe says he needs 350 grams of pasta for 4 people.





Chen is thinking of three numbers.

He says,

'The range is 5 The mode is 2'

What are his three numbers?



n stands for a whole number.

2*n* is greater than 305*n* is less than 100

Write **all** the numbers that *n* stands for.



22i

[END OF TEST]

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Total out of 3 _____



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