Ma

KEY STAGE

LEVELS

Paper 1

Mathematics

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.





Megan likes honey, but not jam.

Alfie likes honey and jam.

Chen does not like honey or jam.

Donna only likes jam.

Write the children's names in the correct parts of the sorting diagram.

Ø		likes honey	does not like honey	
	likes jam			
	does not like jam			2 mar



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1i

1ii





These three square tiles have symmetrical patterns on them.

Draw the line of symmetry on each tile.

Use a ruler.







4ii 2 marks

4i

4



Page **6** of **24**





pm

5b

1 mark

In this diagram, the numbers in the triangles add together to make the number in the circle.

The number in the square is 6 less than the number in the circle.



Write the four missing numbers in these diagrams.





20 50 80 110...

The sequence continues in the same way.

Which number in the sequence will be closest to 300?





Write the missing numbers.





The chart shows how much money the boys and girls collected.





A shop sells pairs of socks.



Kirsty buys 1 pair of knee socks and 3 pairs of ankle socks.

She pays with a £20 note.

How much change does she get?



Amy spends £25.50 on trainer socks.



Sourced from www.11pluscentre.co.uk

10









Here is a hexagon.

Draw **two** straight lines across the hexagon to make two triangles and two quadrilaterals.



13

1 mark

14

13

Calculate 16.72 × 5







1 mark

15

Lia

16

Liam has five coins.

Three of the coins add up to **30p**.

Three of the coins add up to **40p**.

All five coins add up to £1

What are the coins that Liam has?







17







Here is a rectangle.



Calculate the size of angles a and b.

Do not measure the angles.





20

21 The **difference** between two numbers is 2

When each number is rounded to the nearest hundred, the difference between them is 100



22

This shape is made of wooden centimetre cubes.



How many **more** centimetre cubes are needed to make it into a solid cuboid 3 cm tall, 5 cm long and 5 cm wide?



22

1 mark





'When you multiply two numbers together, the answer is always greater than either of the numbers you started with.'

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



Explain how you know.



A shop sells fruit.

Chen buys 2 apples and 3 bananas.

He pays £2.35



Megan buys 2 apples and 1 banana. She pays £1.25



How much does one banana cost?





[END OF TEST]

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