SATs-style national curriculum tests

Key Stage 2 (2019)

Mathematics

Paper 3: reasoning

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

Available from Mr A, Mr C and Mr D Present

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Instructions

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

Questions and answers

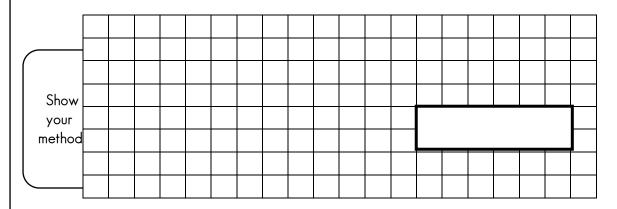
You have 40 minutes to complete this test.

Follow the instructions for each question.

Work as quickly and carefully as you can

If you need to do working out, you can use the space around the question.

Some questions have a method box like this:



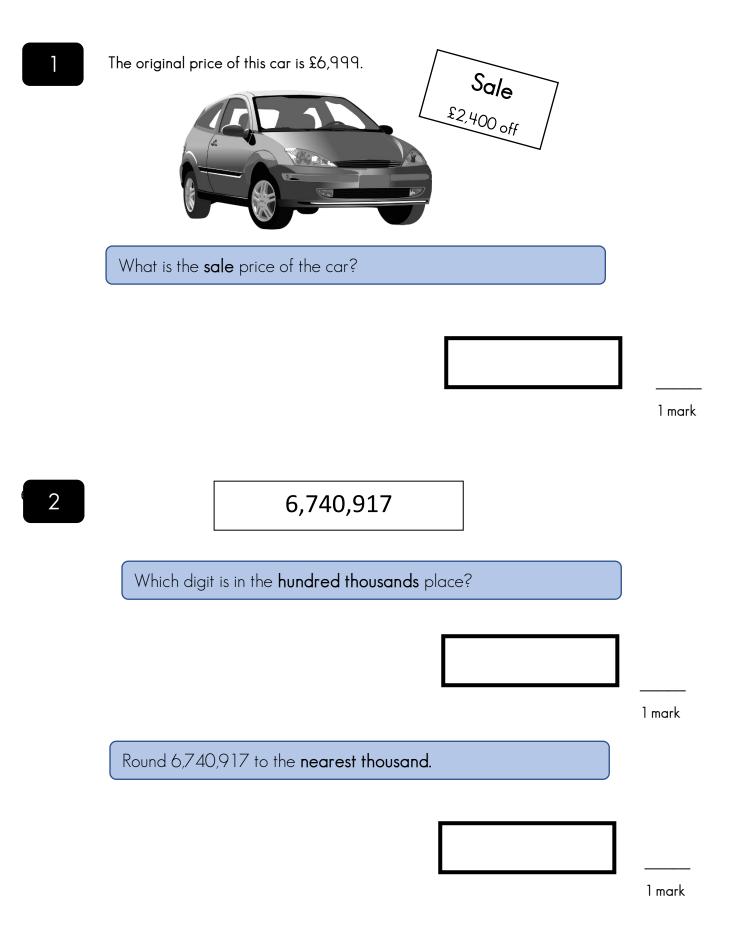
For these questions, you may get a mark for showing your method.

If you cannot do a question, go to the next one.

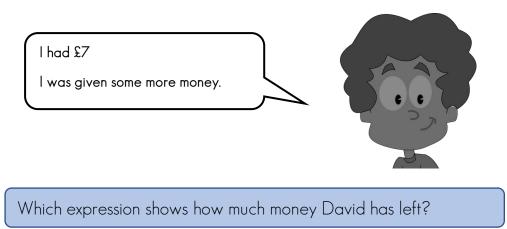
You can come back to it later, if you have time.

<u>Marks</u>

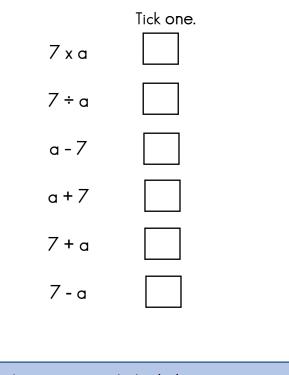
The number under each line at the side of the page tells you the number of marks available for each question.



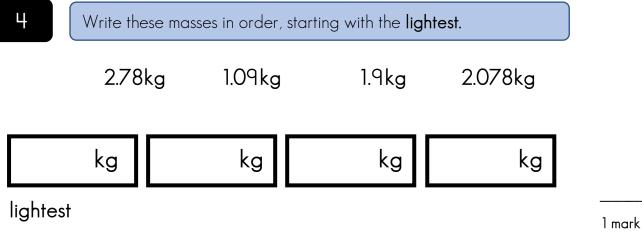
David says,

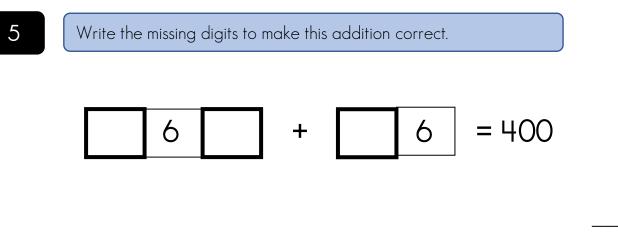


a is the amount of money, in pounds, that David was given.





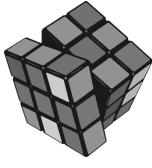




1 mark

6

Matt buys one toy Rubik's Cube and one pack of cards.



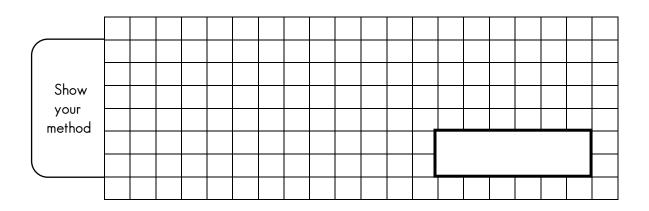


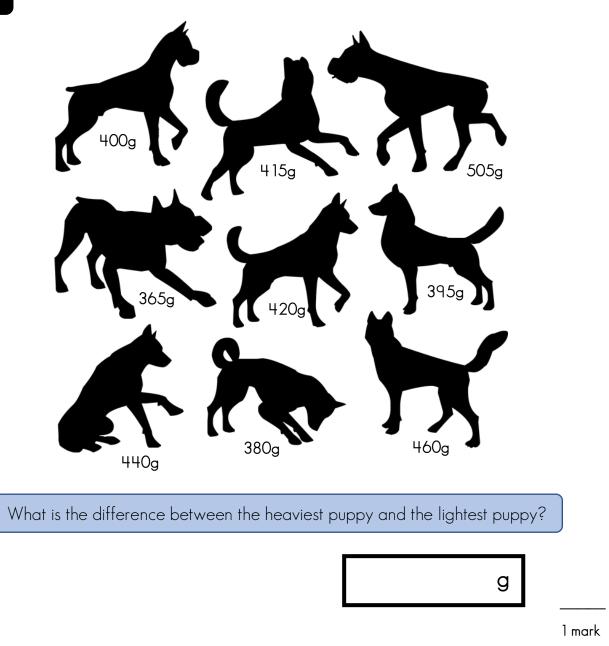


£1.89

He pays with a £20 note.

How much change does he get?





The masses of the puppies are put into four groups.

Write the missing numbers in the table.

One has been done for you.

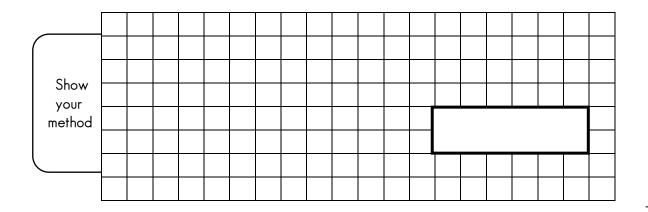
Mass in g	Number of puppies
350-399	
400-449	
450-499	
500-550	1

Dan is playing a game. He had 7,367 points.

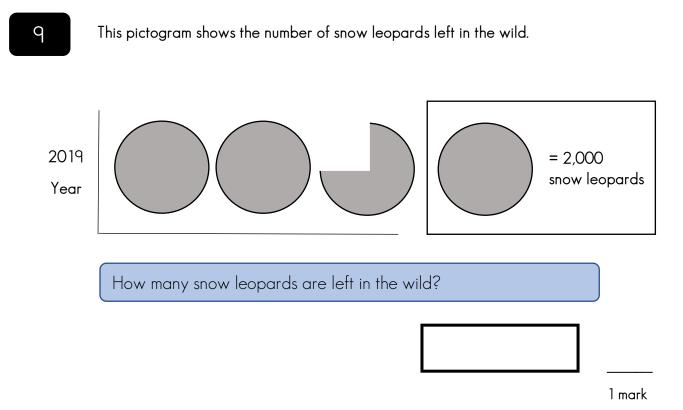
Then he scores another 265 points.

Dan's target is 9,000 points.

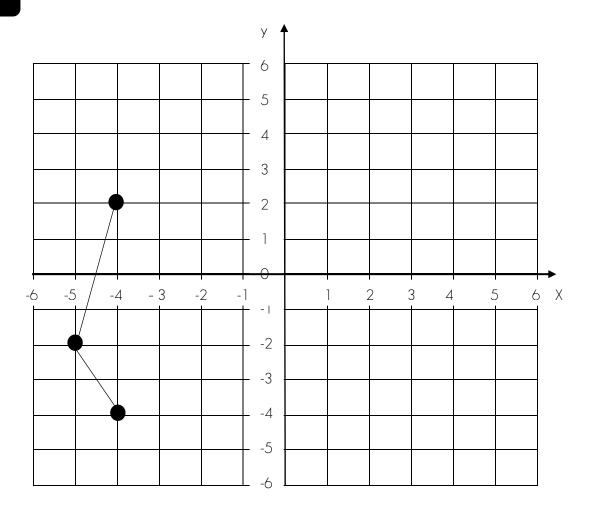
How many **more** points does dan need to reach his target?



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2 marks
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8



Sara then plots another point on the grid at (-2, 1).

She then joins the points to make a quadrilateral.

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

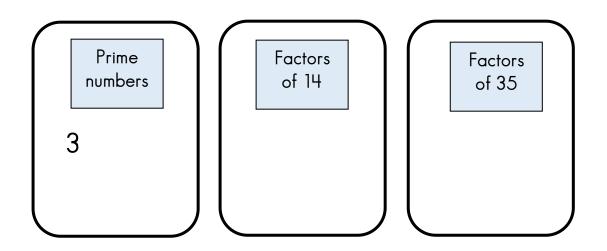
Then Sara translates the quadrilateral 6 squares to the right.

Draw the quadrilateral in its new position on the grid.

1 mark

3 4 5 6 7 Write each number on the correct card.

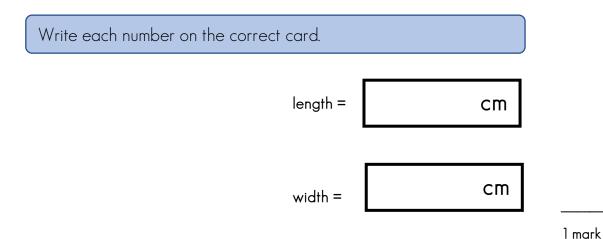
The number 3 has been written on the correct cards for you.



2 marks

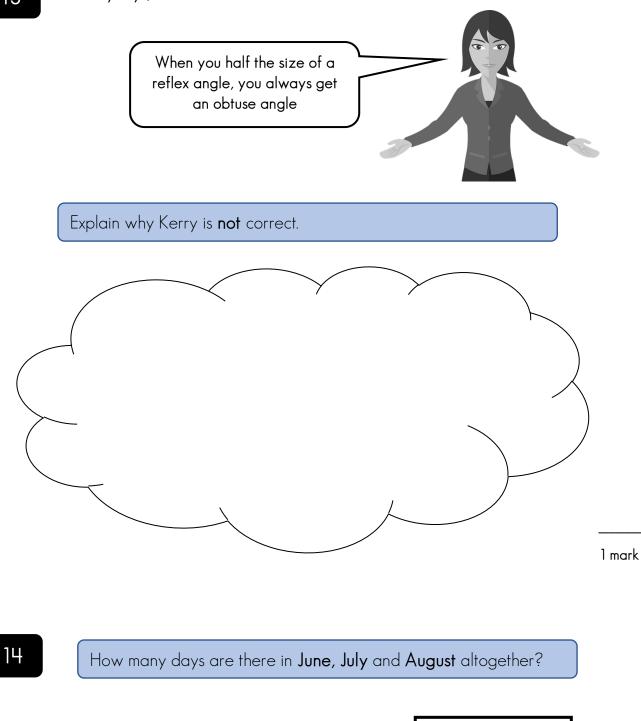
Zainab's sofa is 160 cm in length and 115cm in width.

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

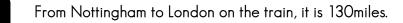


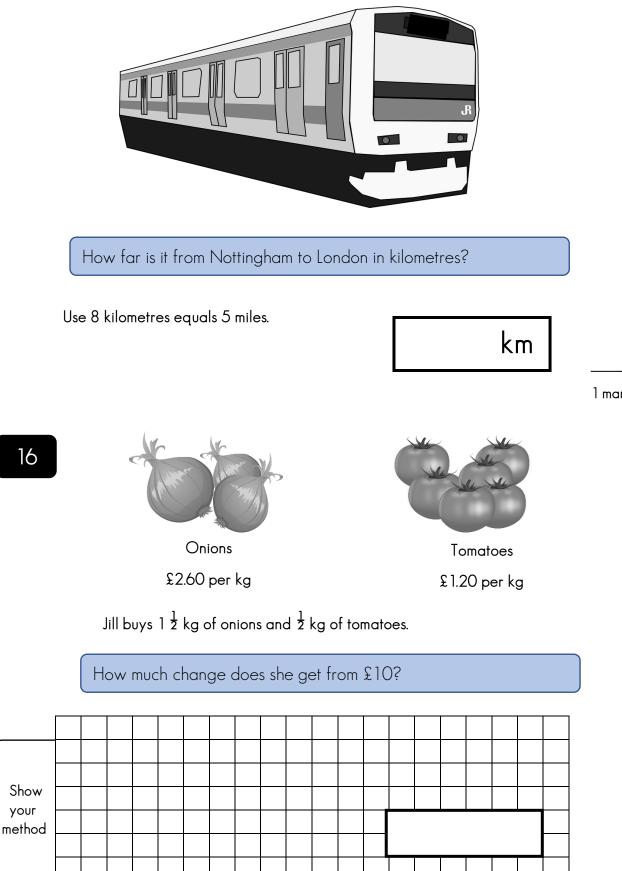
11





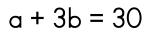
days



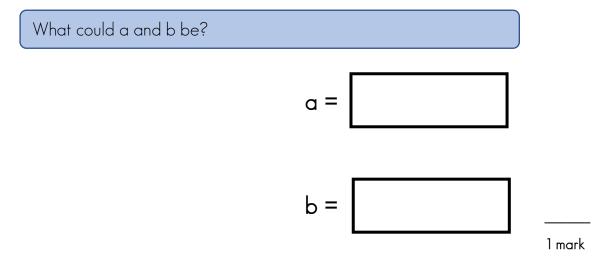


15

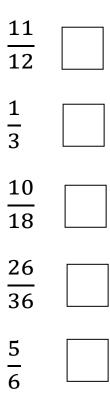
18



a and b are whole numbers less than 20.



Tick the fractions that are more than $\frac{4}{2}$
6



2 marks

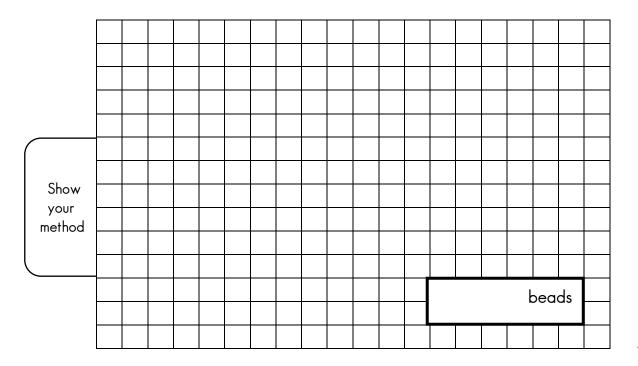
Angie makes jewellery to sell at the school fair.

Each bracelet has 41 beads. She makes 72 bracelets. Each necklace has 109 beads.

She makes 27 necklaces.



How many beads does Angie use altogether?



3 marks

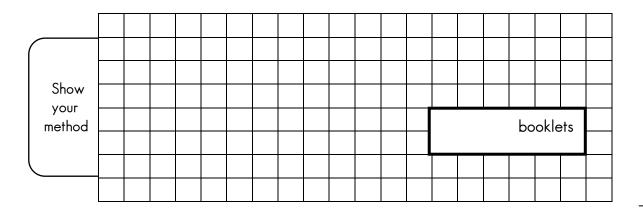
20 Eve is making booklets.

Each booklet must have 48 sheets of paper.

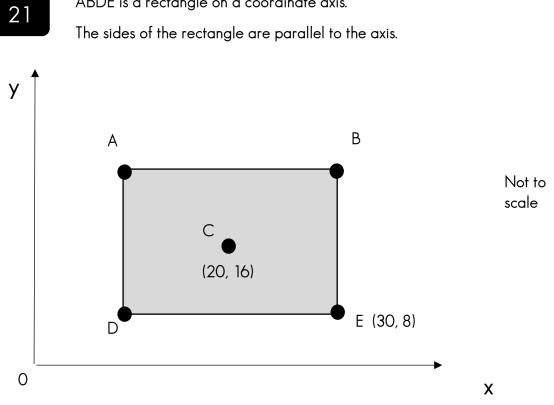
She has 4 packets of paper.

There are 250 sheets of paper in each pack.

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

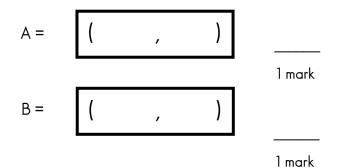


2 marks

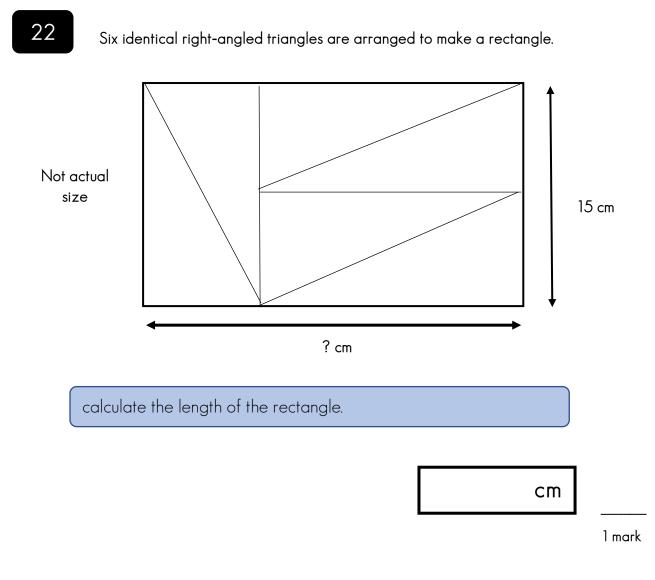


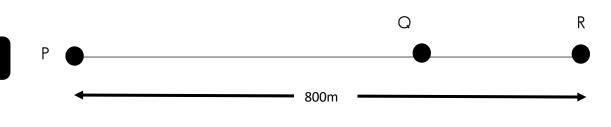
Point C is in the centre of the rectangle.

What are coordinates A and B?



ABDE is a rectangle on a coordinate axis.

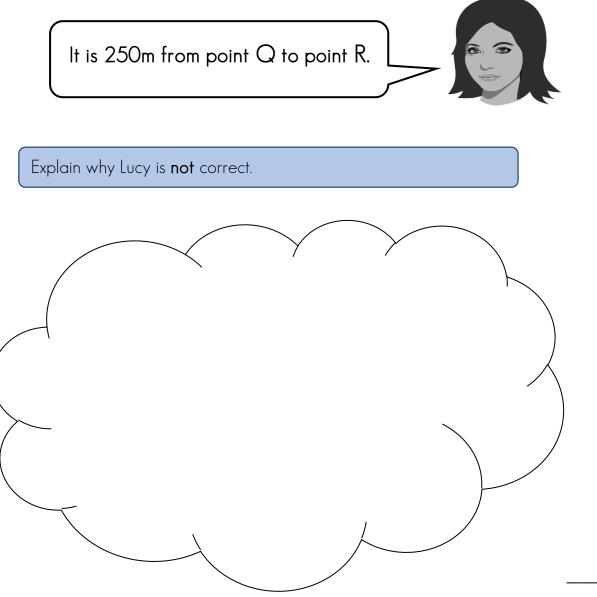




The distance from point P to point R is 1000 metres.

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

Lucy says,



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