Ma

KEY STAGE

LEVELS

3–5

Mathematics test

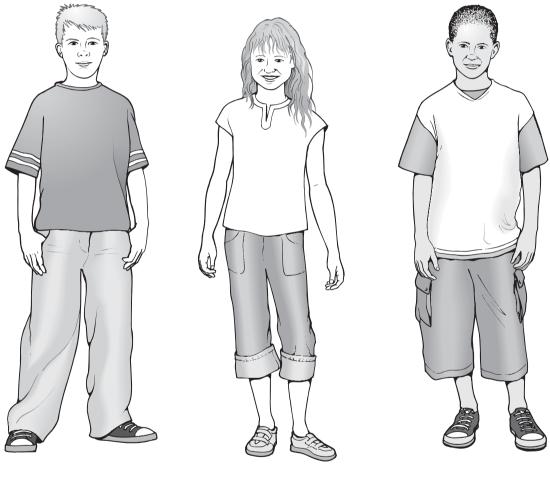
Test A Calculator not allowed

First name	
Last name	
School	

For marker's use

only	Page	Marks
	5	
	7	
	9	
	11	
	13	
	15	
	17	
	19	
	21	
	23	
	TOTAL	

These three children appear in some of the questions in this test.



Stefan

Lara

Amir

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**.

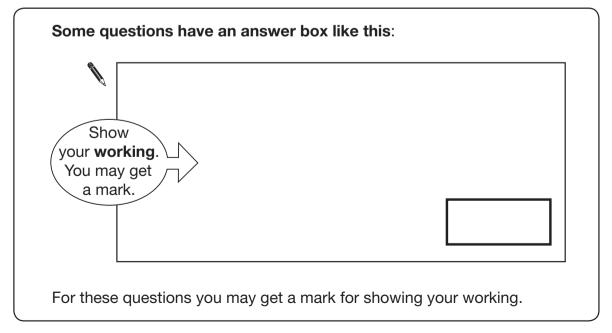
You can come back to it later, if you have time.

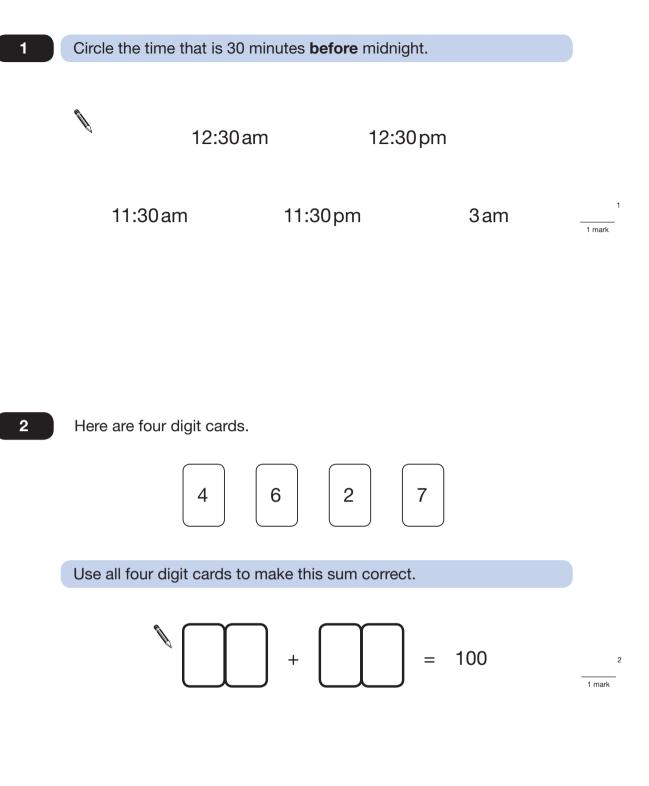
If you finish before the end, go back and check your work.

Follow the instructions for each question carefully.

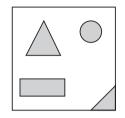
This shows where you need to put the answer.

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



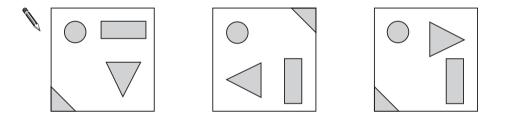


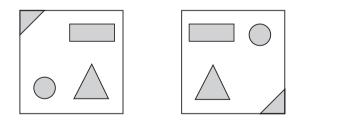
Stefan makes this design on a square tile.



He turns the tile.

Put a tick (\checkmark) on the tile below that has the same design as Stefan's tile.

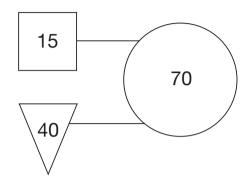




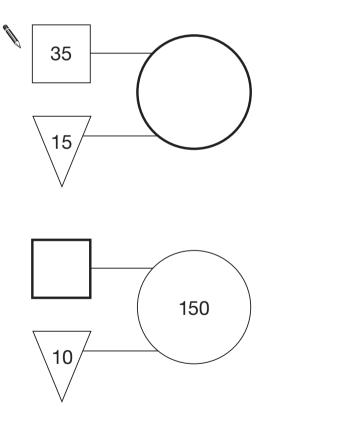
3

1 mark

'double the number in the square and add the number in the triangle to make the number in the circle'.



Use the same rule to write in the missing numbers below.



4b

1 mark

4a

1 mark

This table shows where 100 people went on holiday in 2007 and 2008.

	2007	2008
Spain	18	26
England	38	17
Scotland	21	13
Wales	19	28
USA	4	16

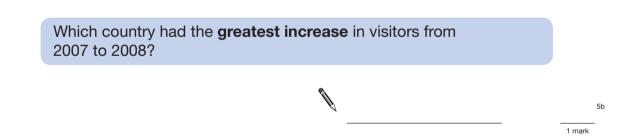
Look at the table.

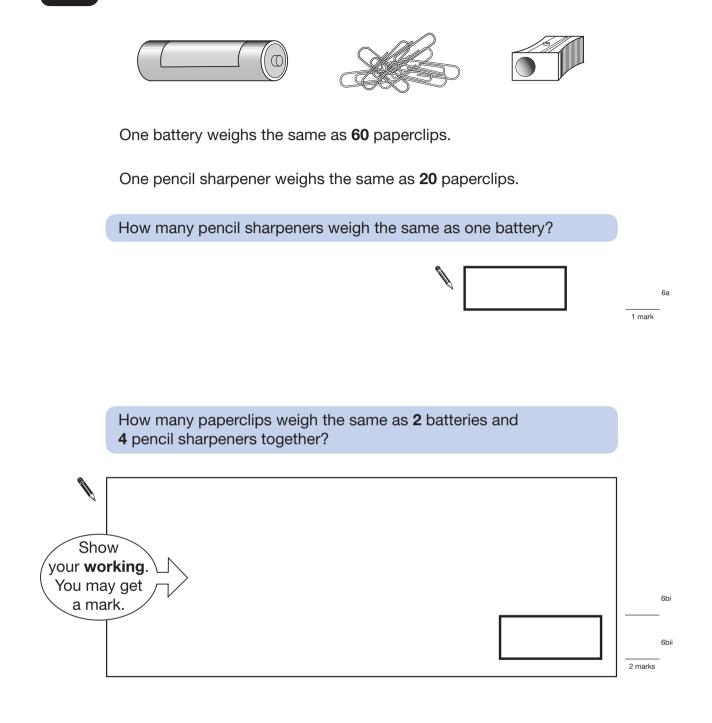
How many more people went to Wales than to Scotland in 2008?



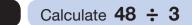
1 mark

5a



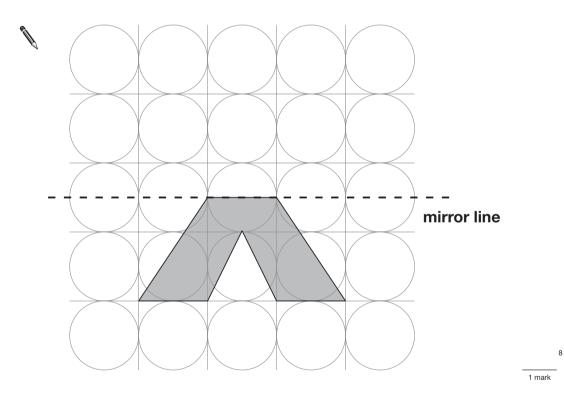


7





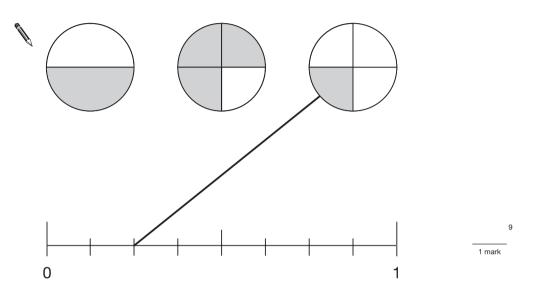
Draw the reflection of the shaded shape in the mirror line.

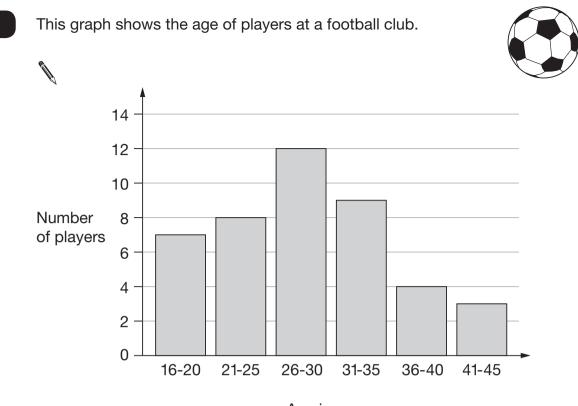


A fraction of each shape is shaded.

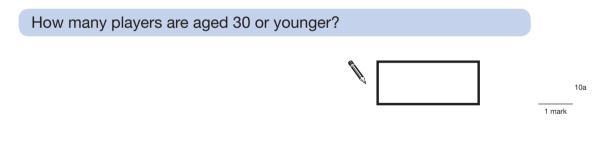
Match each fraction to the correct place on the number line.

One has been done for you.





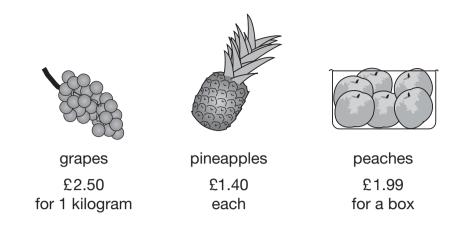
Age in years



A player aged 36 and a player aged 39 join the club.

Add this information to the graph above.	
	1 mark

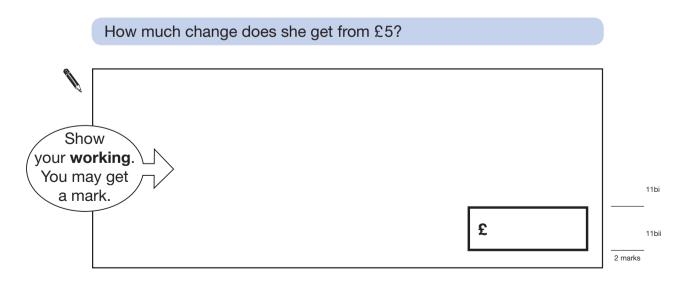
Amir and Lara buy some fruit.



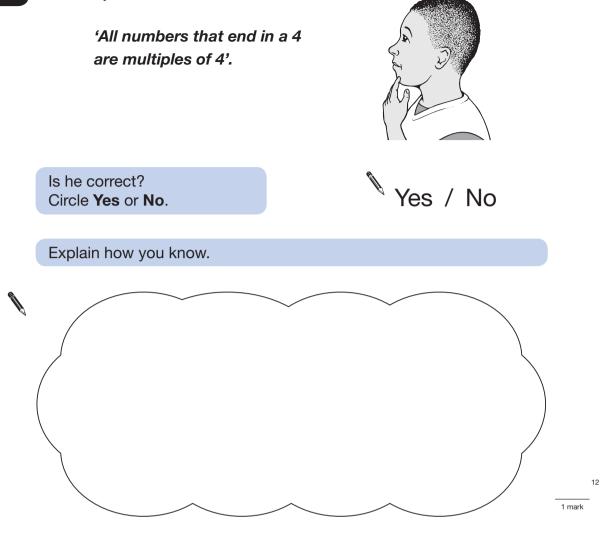
Amir buys 2 pineapples and a box of peaches.

How much does he pay?		
	£	11a 1 mark

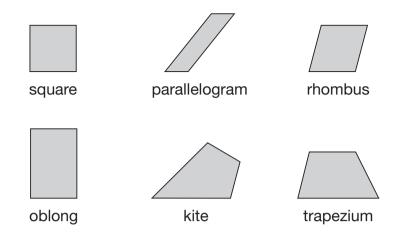
Lara buys half a kilogram of grapes and one pineapple.



Amir says,



Here are six quadrilaterals with their mathematical names.



Lara chooses one of the quadrilaterals.

She says,

'It has two acute angles. All four sides are the same length'.

Which quadrilateral did Lara choose?

Stefan chooses one of the quadrilaterals.

He says,

'It has more than one obtuse angle. It has no parallel sides'.

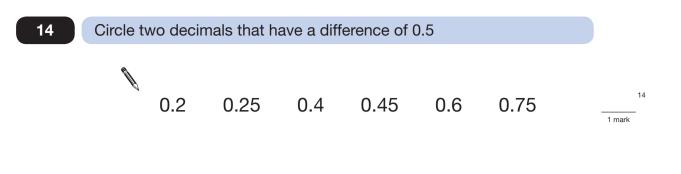
Which quadrilateral did Stefan choose?

13b

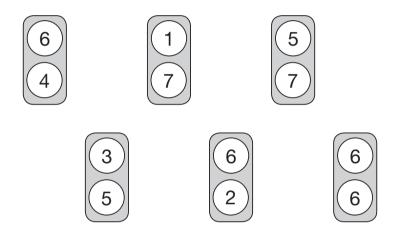
13a

1 mark

1 mark



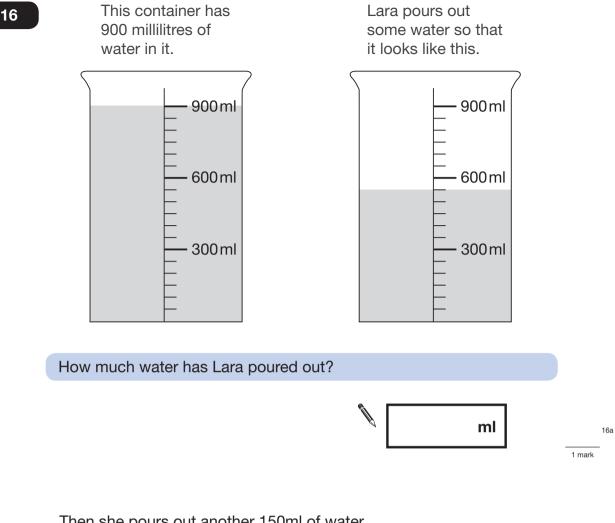
15 Each of these cards has two numbers on it.



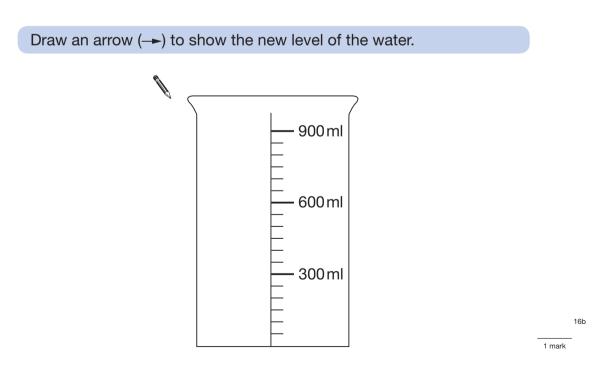
Stefan chooses one card without looking.

He adds the two numbers together.

What is the **most likely** total of the numbers on his card?



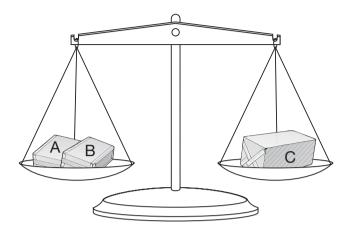
Then she pours out another 150ml of water.



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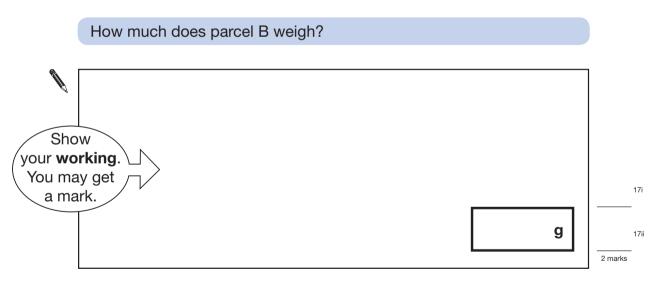
Amir has three parcels.

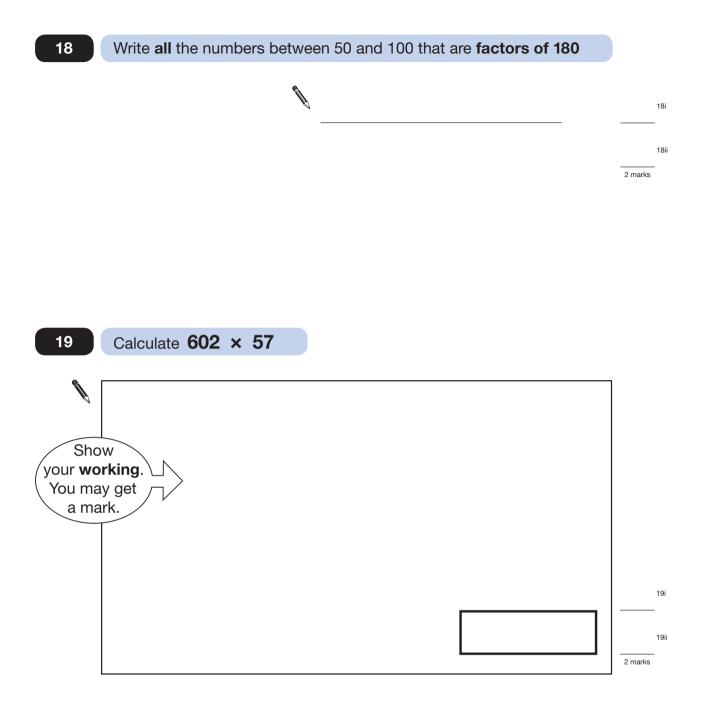
Parcels A and B together weigh the same as parcel C.



The three parcels weigh 800 grams altogether.

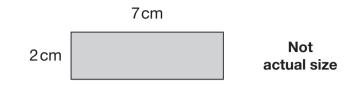
Parcel A weighs 250g.



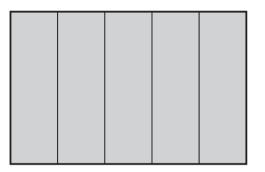


Lara has some identical rectangles.

They are 7 centimetres long and 2 centimetres wide.



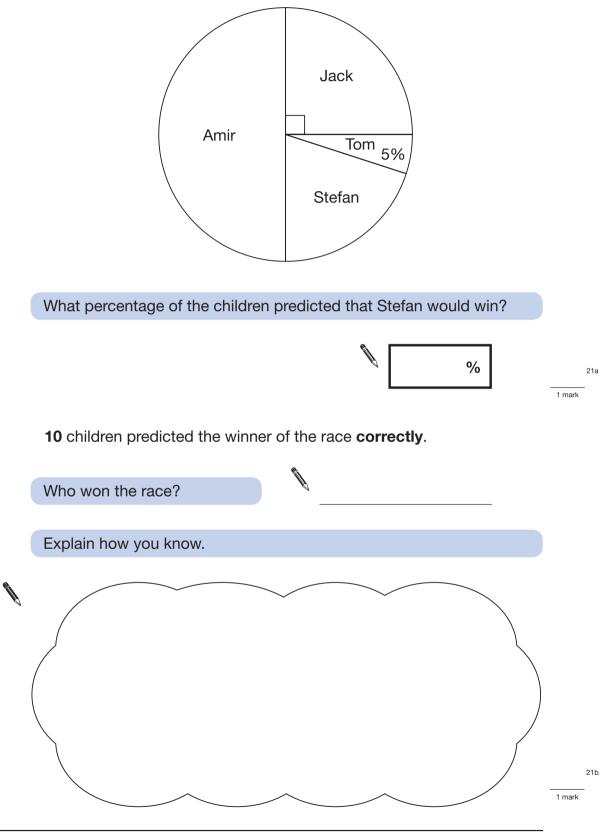
She uses **five** of her rectangles to make the large rectangle below.



What is the perimeter of the large rectar	ngle?		
		cm	20a 1 mark
What is the area of the large rectangle?			
		cm ²	20b 1 mark

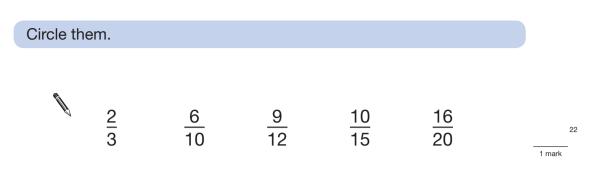
40 children predicted who would win the boys' race at sports day.

This pie chart shows their predictions.



Two of the fractions below are **equivalent**.

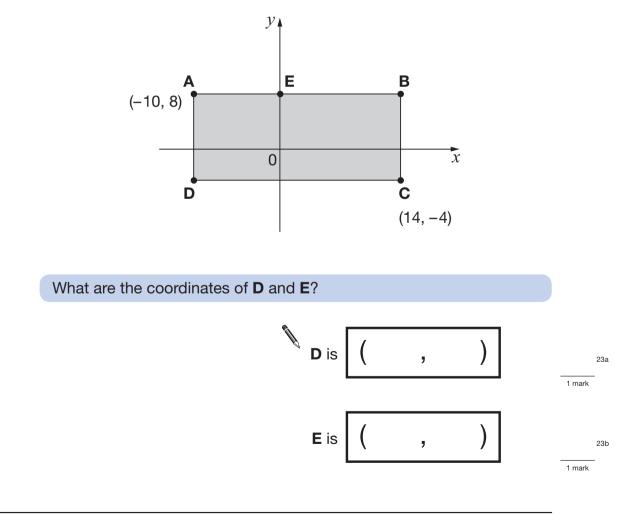
22



23

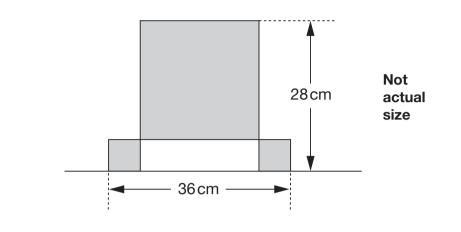
ABCD is a rectangle drawn on coordinate axes.

The sides of the rectangle are parallel to the axes.



This design has one large square and two identical small squares.

The design measures 36 centimetres by 28 centimetres.



Calculate the length of a side of the **large** square.



End of test

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