

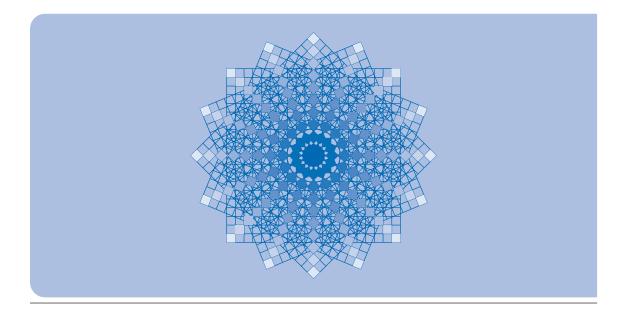
KEY STAGE

# Mathematics test

# LEVELS

# Test A Calculator not allowed

First name	
Last name	
School	
DCSF no.	



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

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



Sarah

Amy

Liam

## 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**.

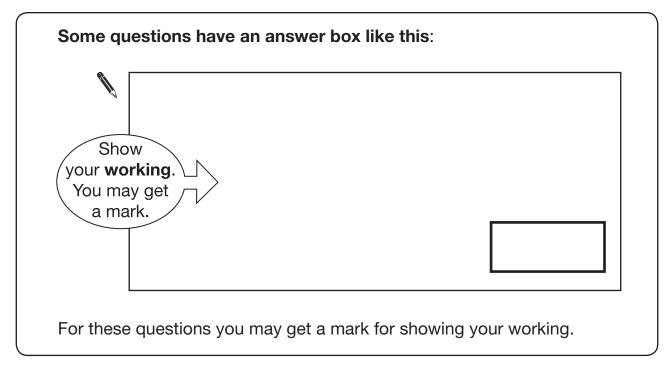
You can come back to it later, if you have time.

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.





2

Amy chooses two of these cards.



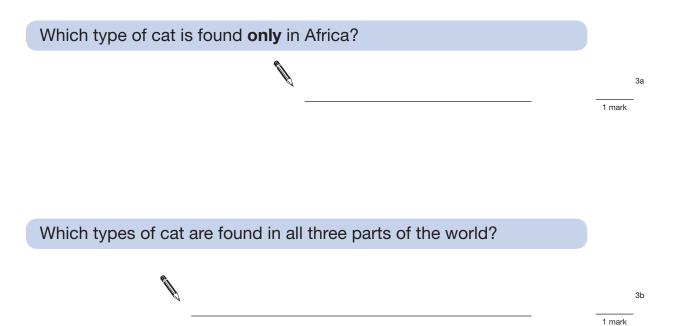
She adds the numbers on her two cards together. She rounds the result to the nearest 10

Her answer is 60

Which two cards did Amy choose?

	Europe and Middle East	Asia	Africa
Jungle cat	$\checkmark$	$\checkmark$	×
Wildcat	$\checkmark$	$\checkmark$	$\checkmark$
Tiger	×	$\checkmark$	×
Lion	×	$\checkmark$	$\checkmark$
Cheetah	×	×	$\checkmark$
Leopard	$\checkmark$	$\checkmark$	$\checkmark$

Use this table to answer these questions.

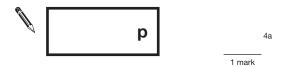


salad bar					
Sal	ads	Desserts			
cheese	£1.20	banana	25p		
egg	90p	apple pie	50p		
tuna	£1.60	yogurt	35p		

Liam has £2.50 to spend.

He buys a tuna salad and an apple pie.

How much money has he got left?

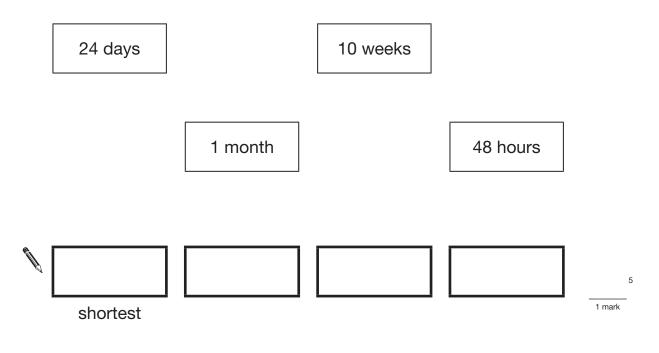


Sarah buys a cheese salad and a yogurt.

Amy buys an egg salad.

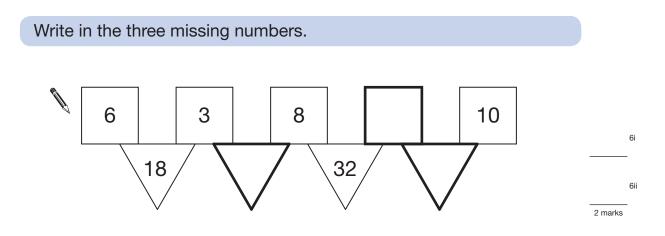
How much **more** does Sarah pay than Amy?

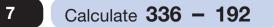
Show your **working**. You may get 4bi a mark. 4bii 2 marks



In this diagram the rule is

*'to make the number in a triangle, multiply the numbers in the two squares above it'.* 

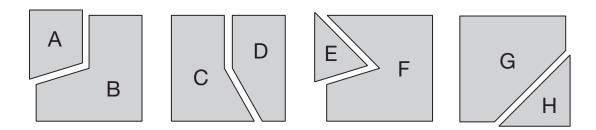






8

Each of these four squares has been cut into two new shapes.



Write the letters of all the new shapes that are **hexagons**.



Write the letters of all the new shapes that are **pentagons**.



#### A book has five stories in it.

This is the contents page.

Contents					
	page				
Rocket Ship	5				
Night Journey	17				
Secret Palace	25				
Jack	41				
Deep Water	59				

Deep Water finishes on page 68

Which is the longest story?

9

1 mark

Ŋ

Write these **five** numbers in the correct places on the diagram.

	25	24	7	700	2	49	990	
				odd		not	todd	
Ŵ	a 3-digit number							
	<b>not</b> a 3-digit number	t						

10ii

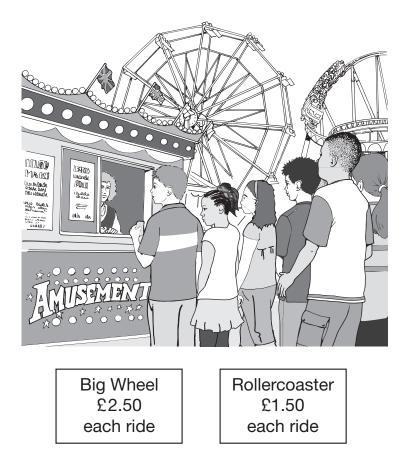
11

2 marks

10i

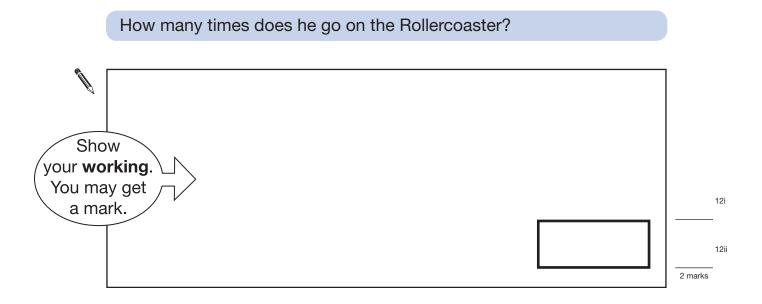
11

Calculate 634 × 6



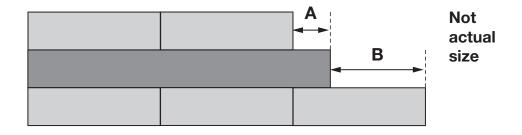
Liam spends £14 altogether on the Big Wheel and the Rollercoaster.

He goes on the Big Wheel twice.

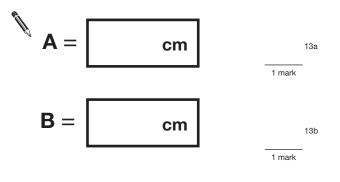


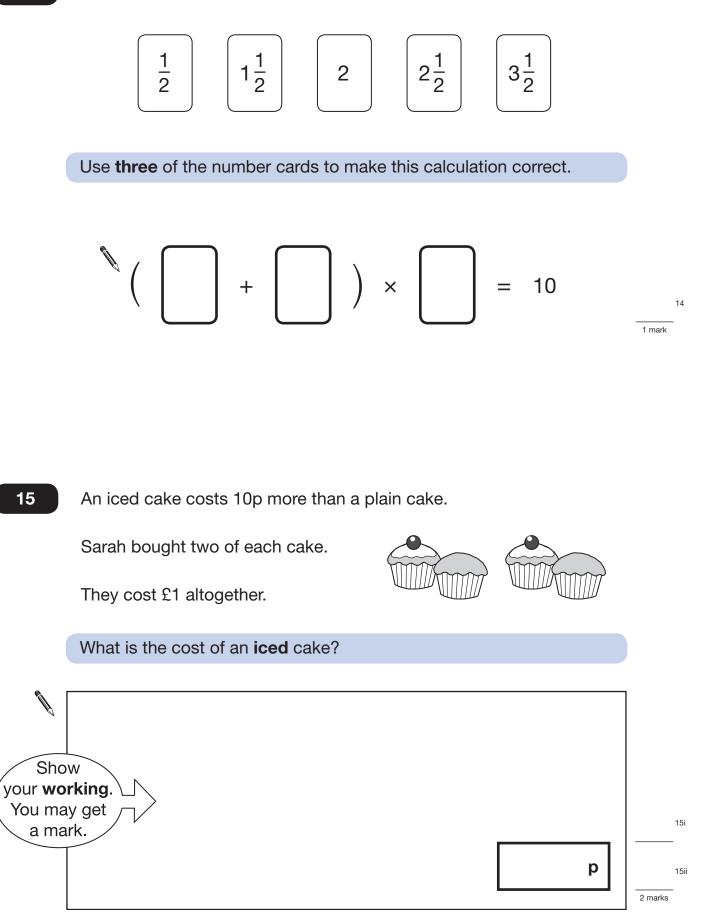


He makes this pattern with them.



Calculate the lengths of **A** and **B**.

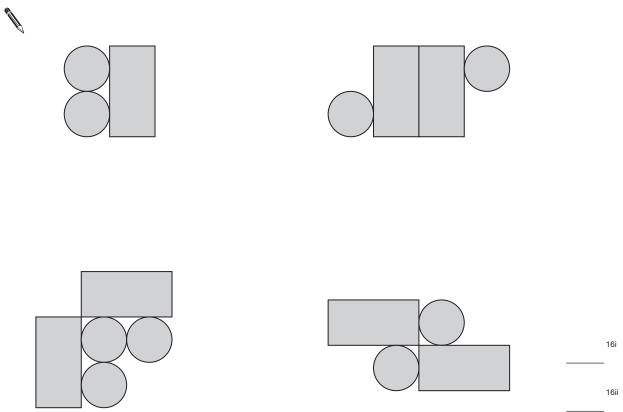






She makes these patterns with them.

For each pattern, put a tick ( $\checkmark$ ) if it has a line of symmetry. Put a cross (**x**) if it does not.



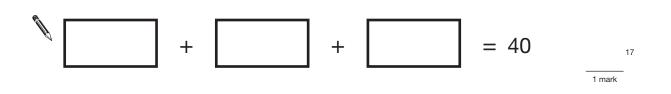
2 marks

### Three different numbers add up to 40

The numbers are all even.

Each number is less than 20

Write what the three **different** numbers could be.

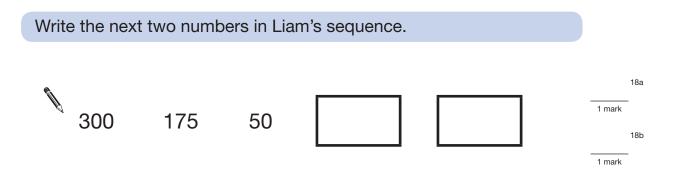


18

17

Liam makes a sequence of numbers starting with 300

He subtracts 125 each time.

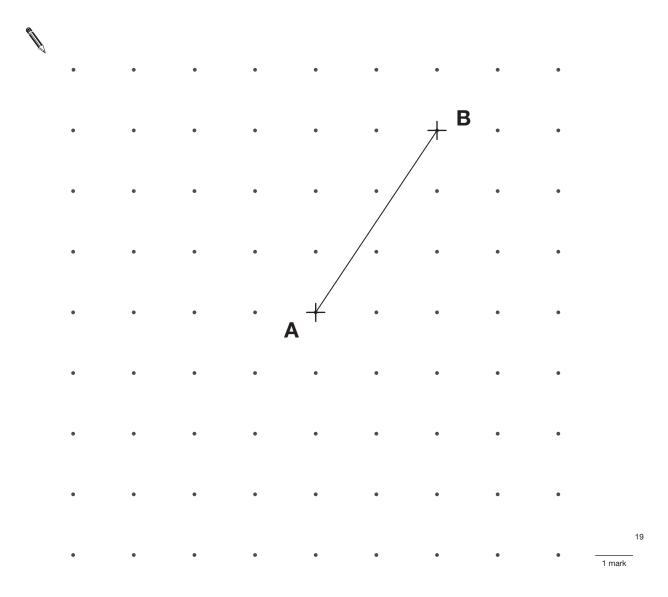


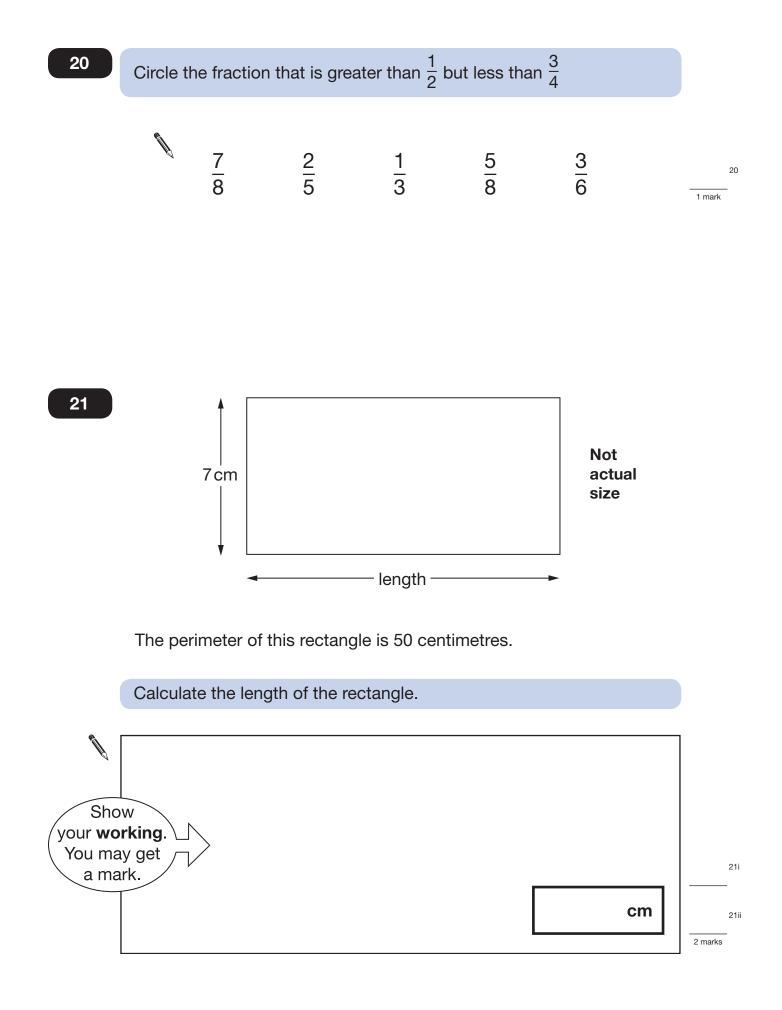
Here is a grid of dots.

Point **A** and point **B** are joined by a straight line.

Draw a line to join point **A** to another dot on the grid so that the two lines make a right angle.

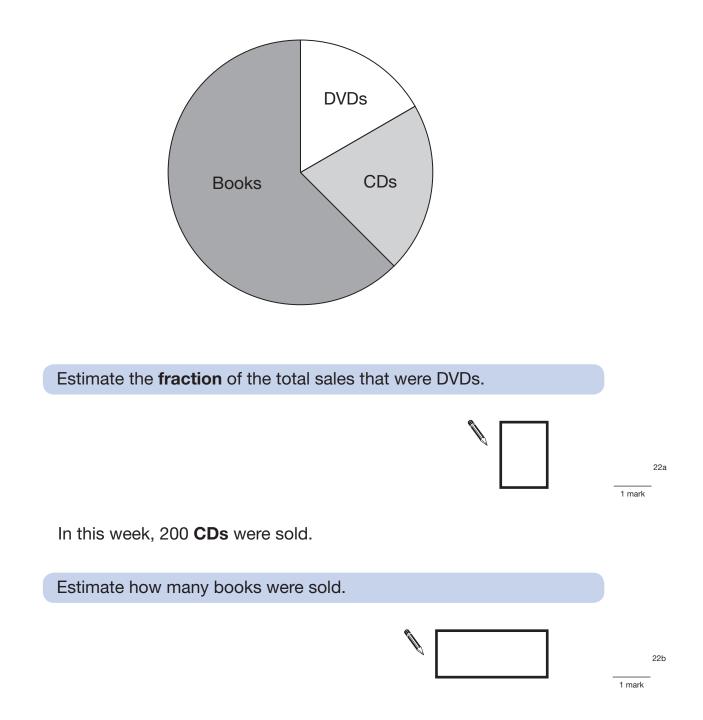
Use a ruler.

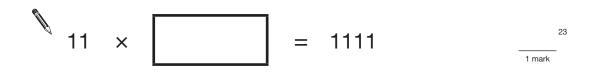




#### A shop sells books, CDs and DVDs.

This pie chart shows the sales of each in one week.





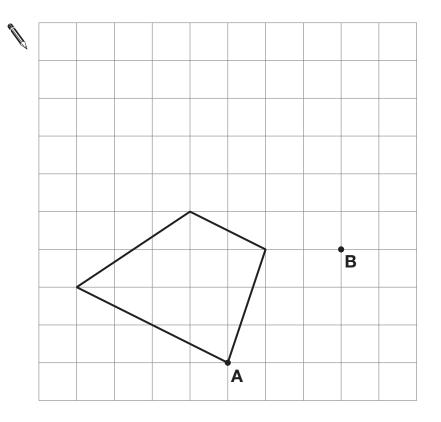
24 Here is a quadrilateral on a square grid.

The quadrilateral is translated so that point **A** moves to point **B**.

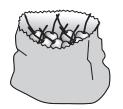
Draw the quadrilateral in its new position.

Use a ruler.

23



1 mark



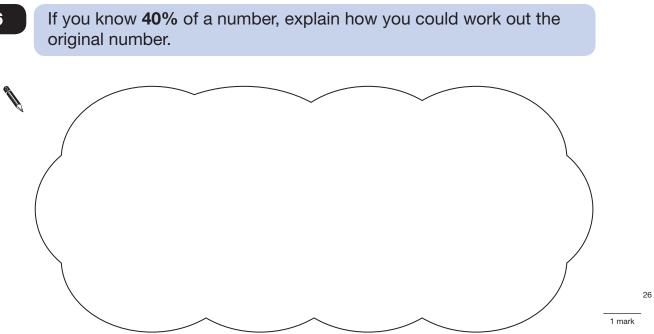
She ate 5 cherries, then gave half of what she had left to Liam.

Liam ate 5 of his cherries, then gave half of what he had left to Amy.

Amy got 2 cherries.

How many cherries did Sarah have in her bag at the start?





End of test