National curriculum tests



# **Mathematics**

## Practice Paper 2-2: reasoning

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

Time: 40 minutes. No calculators allowed. 35 marks



### Instructions

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

#### **Questions and answers**

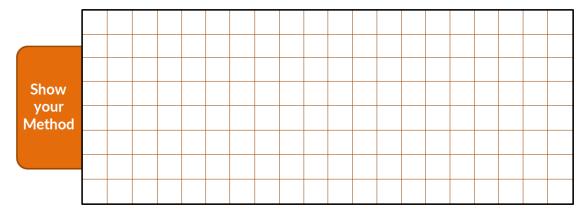
You have **40 minutes** to complete this test.

Follow the instructions for each question.

Work as quickly and as carefully as you can.

If you need to do working out, you can use the space around the question. Do not write over any barcodes.

#### Some questions have a method box like this:



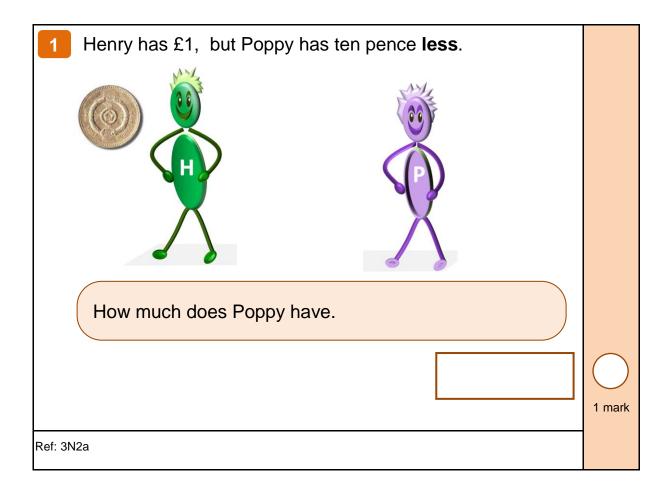
For these questions, you may get a mark for showing your method.

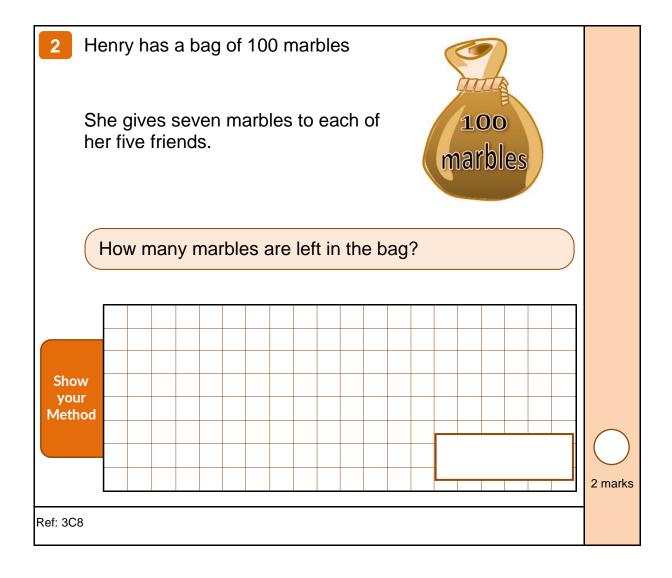
If you cannot do a question, **go on to the next one**. You can come back to it later, if you have time.

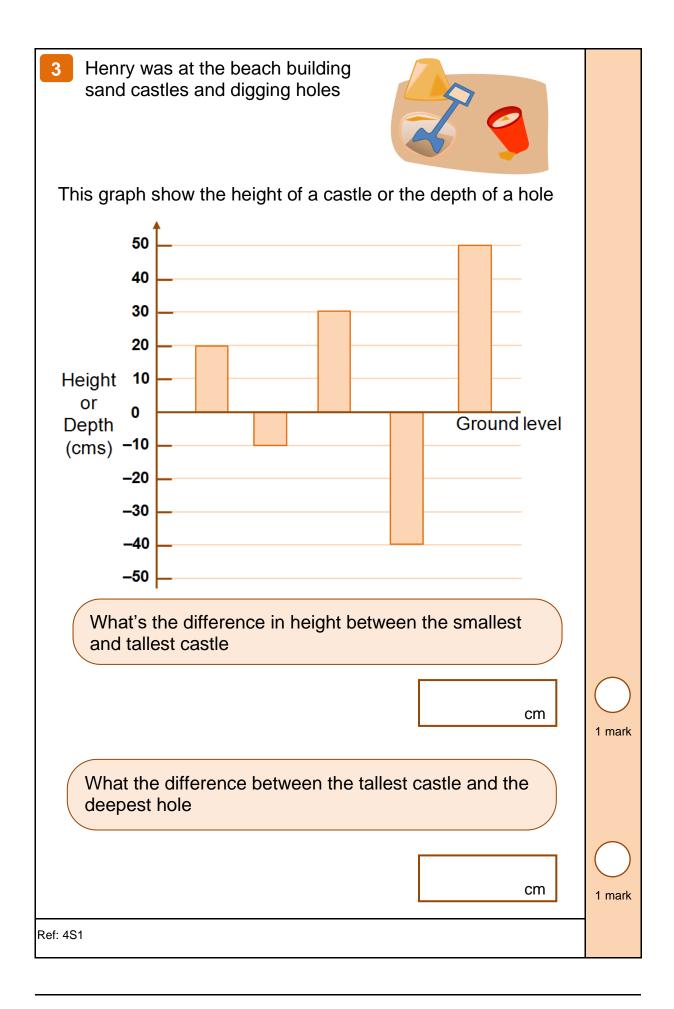
If you finish before the end, go back and check your work.

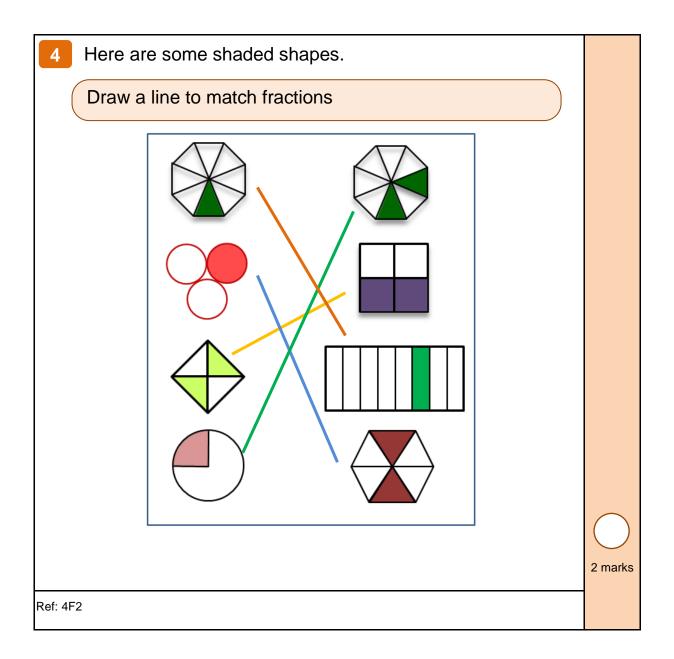
#### Marks

The number under each box at the side of the page tells you the maximum number of marks for each question.

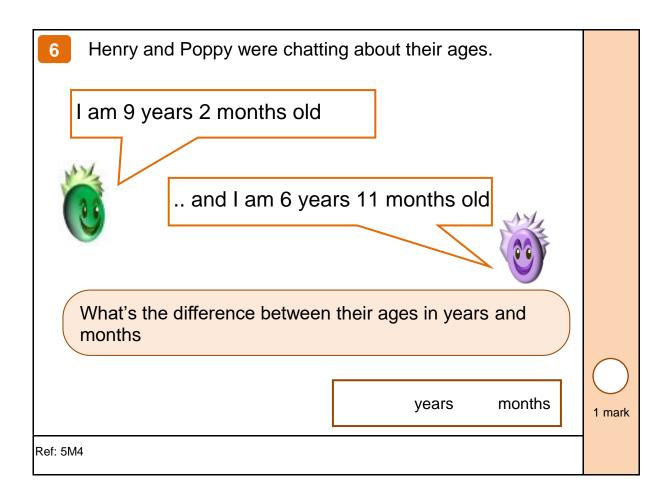


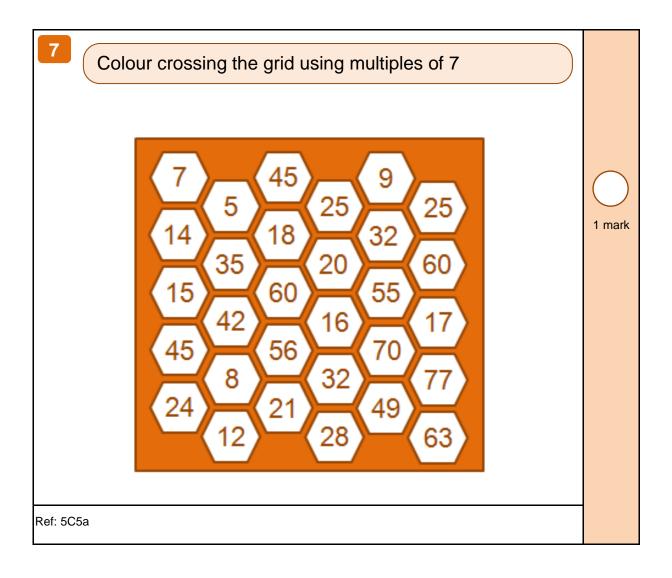


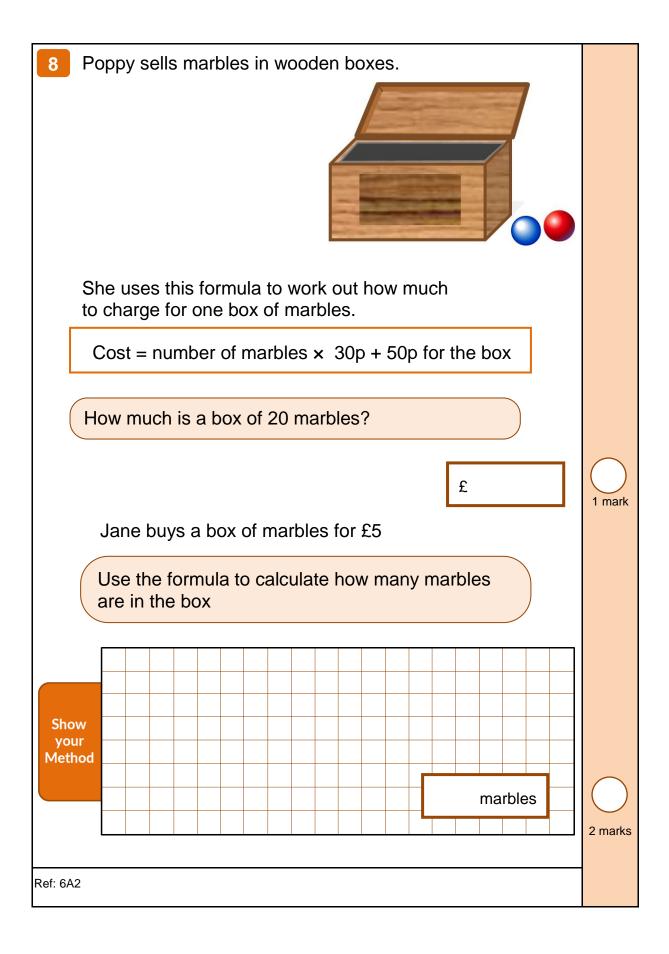


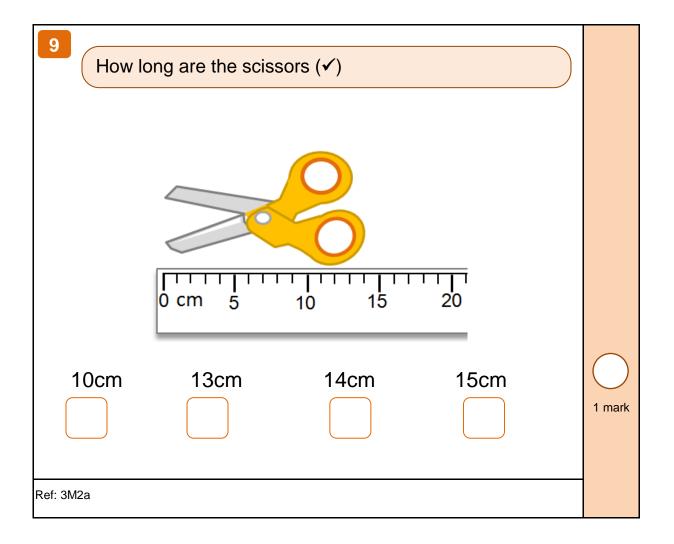


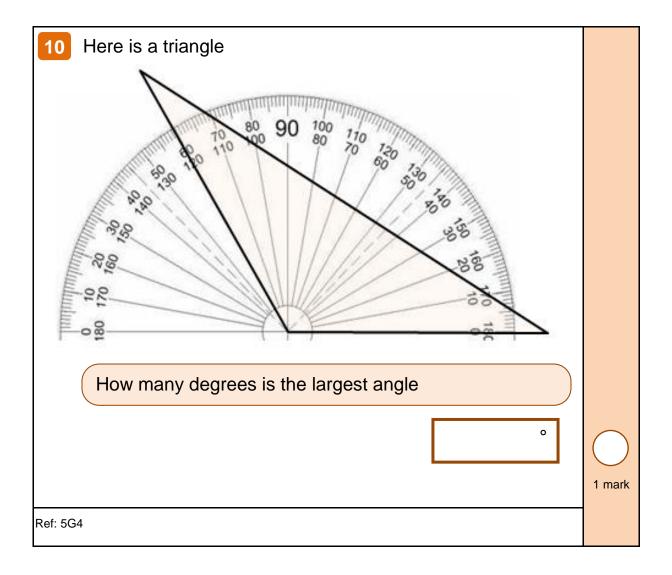
5 How many minutes are in 5 ½ hours?	
minutes Ref: 4M4c	1 mark

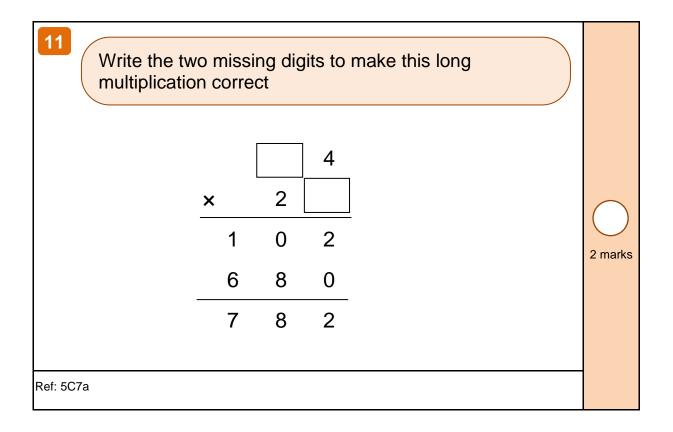






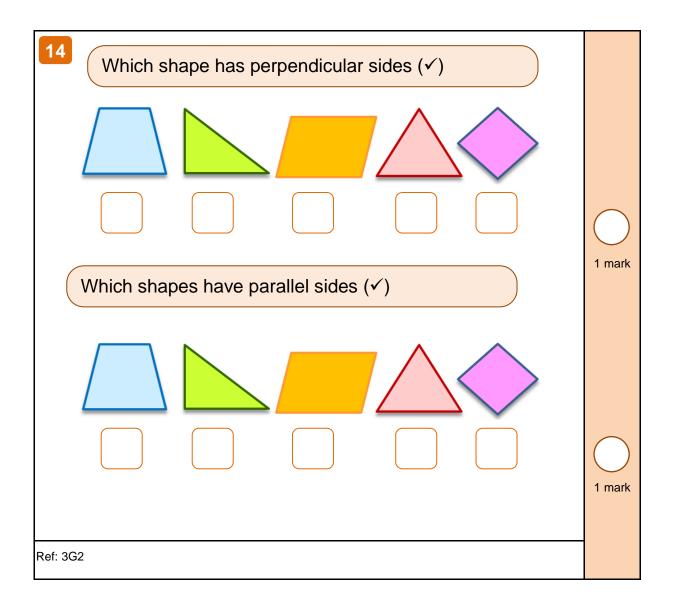




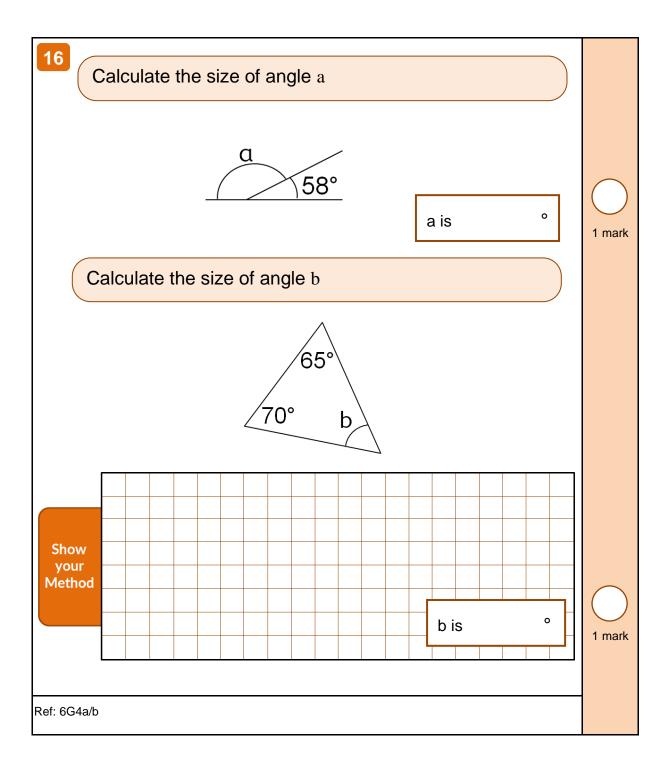


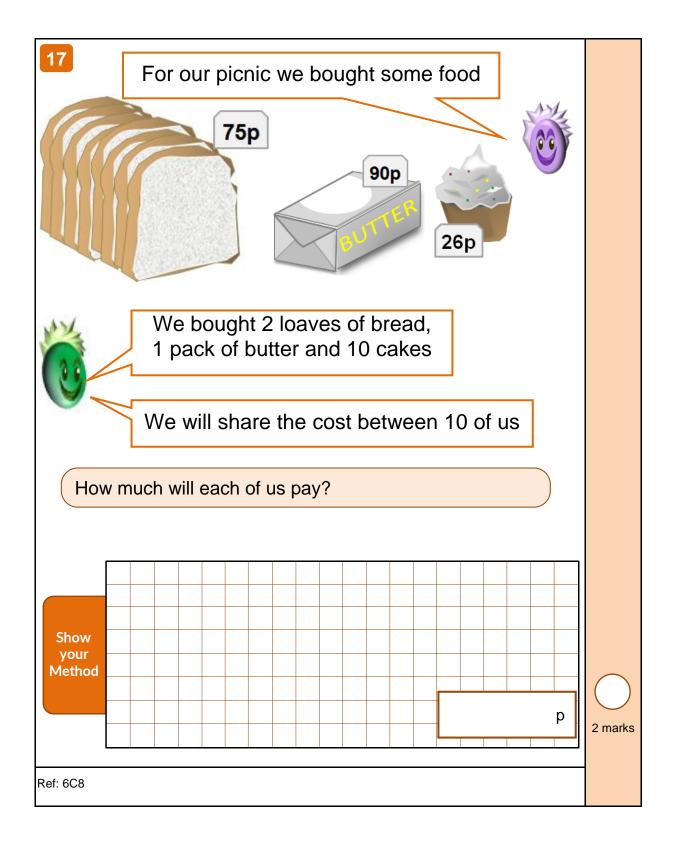
12 Put the numbers on the number line.	
-8 -2 2	$\bigcirc$
0 -5 -6 -1	1 mark
Ref: 5N5	
Henry measured the length of two worms	

13 Henry measured the length of two worms.	
The smallest was 0.012 m The largest was 0.014 m	
What was the difference in their lengths	
m	1 mark
Ref: 5F10	



15 Round 249, 646	)
to the nearest 10,000	
to the nearest 1,000	
to the nearest 100	2 marks
Ref: 5N4	-





18 Some of Henry's friends measured their weight.

Name	Weight (kg)
Henry	30.6
Рорру	27.8
Brooke	28.9
Esme	29.4
Ethan	32.5
Jayden	31.7
Ayesha	29.1

