### National curriculum tests

# **Key Stage 2**

## **Mathematics**

# Practice Paper 3-1: 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**

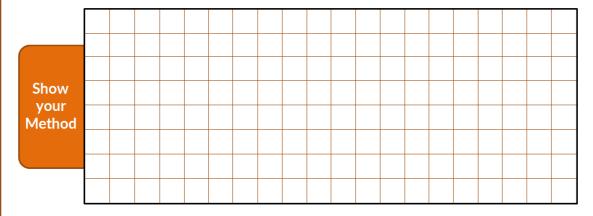
You have 40 minutes to complete this test.

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.

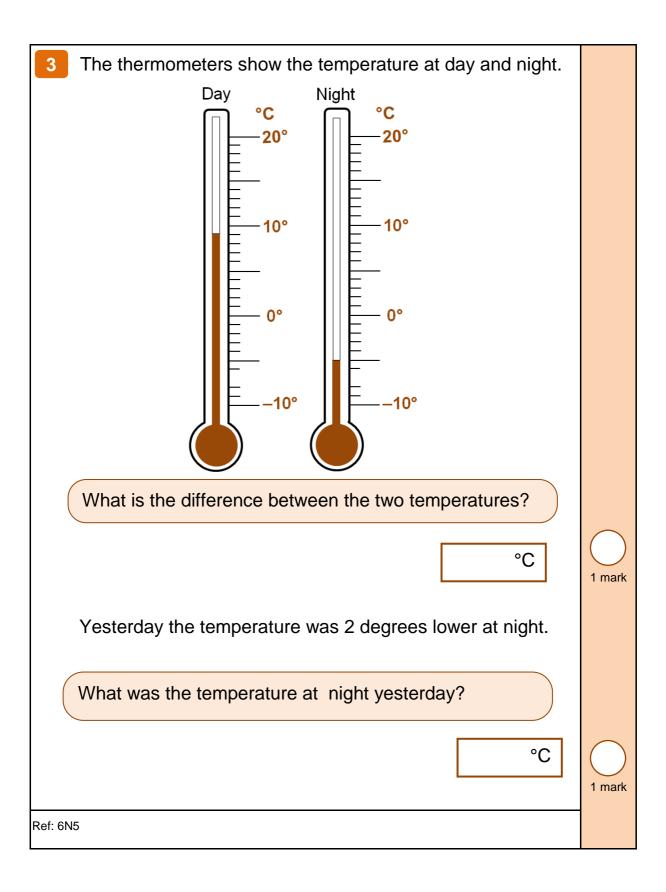
You can come back to it later, if you have time.

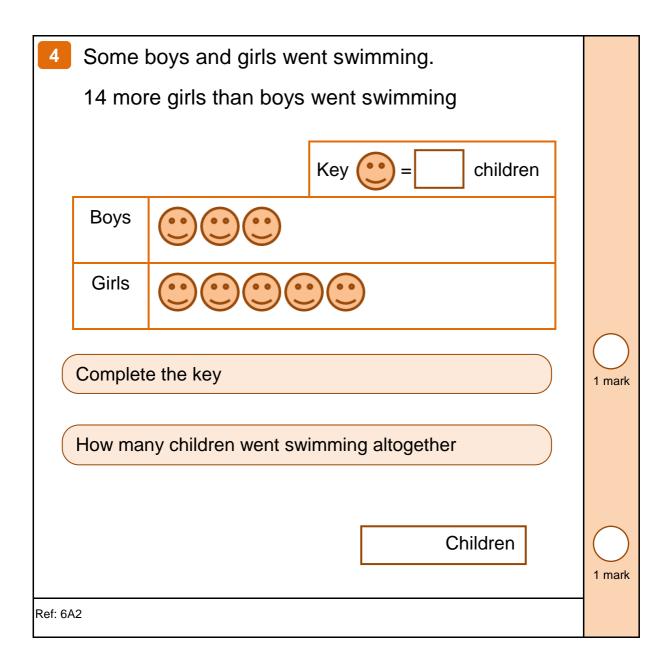
If you finish before the end, go back and check your work.

#### **Marks**

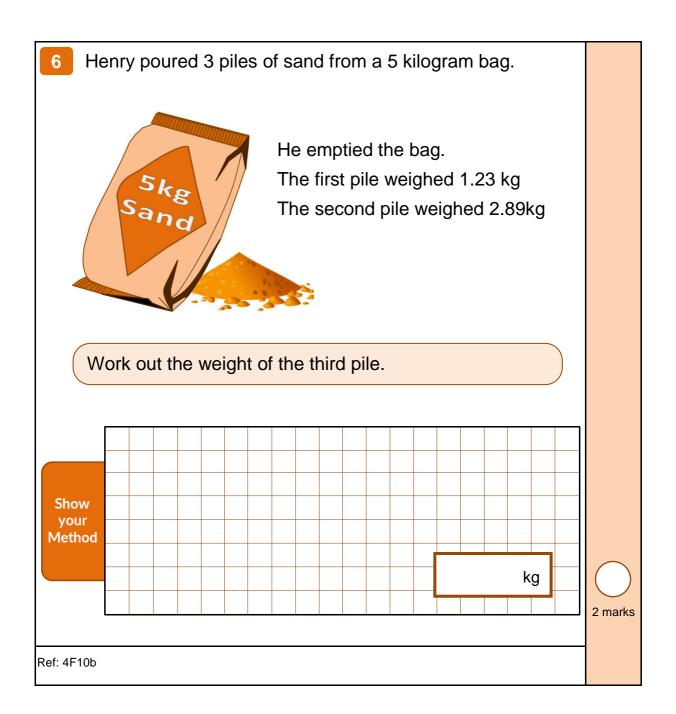
The number under each box at the side of the page tells you the maximum number of marks for each question.

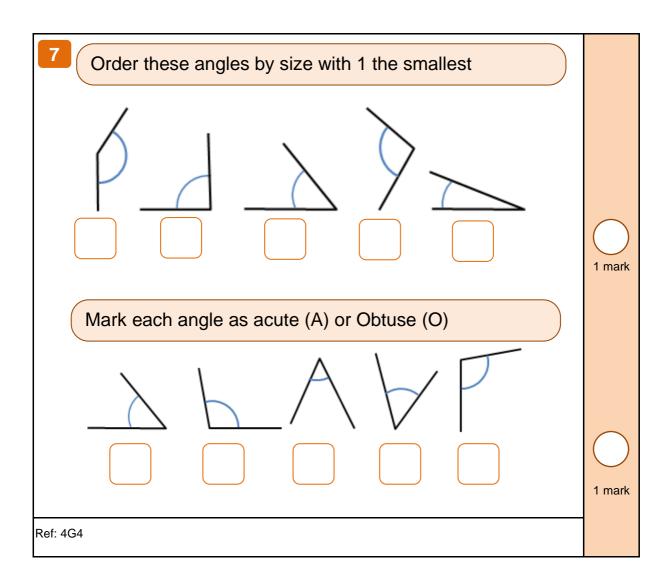
The numbers in this sequence decrease by 12 each time	
Write the missing numbers	
102 78 66 42	2 mark
Ref: 3C1	
What time is it in the afternoon (✓).  What time is it in the afternoon (✓).	
15:05 14:55 13:11 11:15 Ref: 4M4b	1 mark

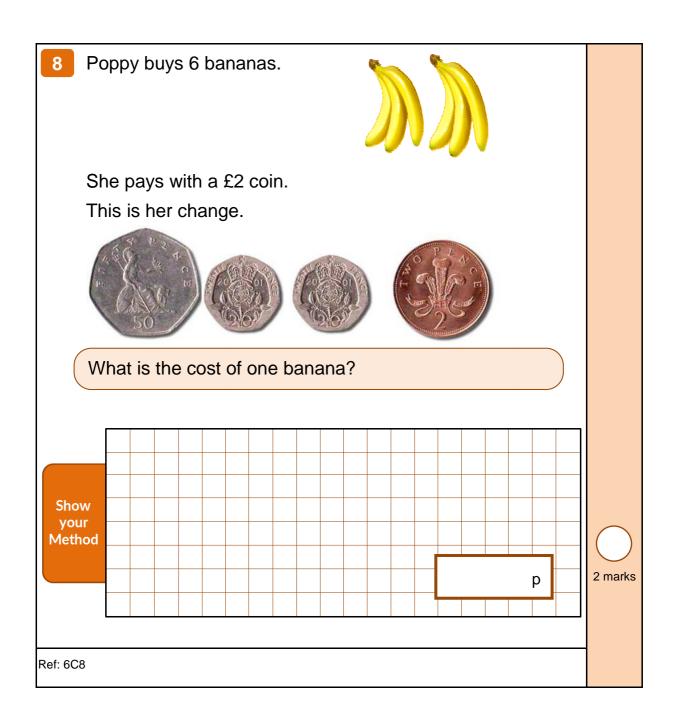




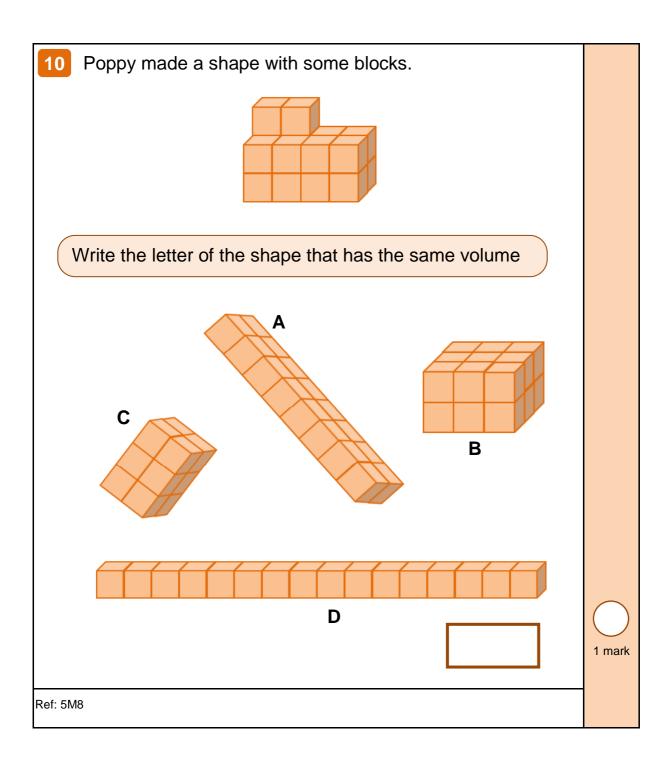
5 Order	these deci	mals startin	g with the	e smallest.	
0.321	0.239	0.402	0.41	0.09	
smallest					1 mark

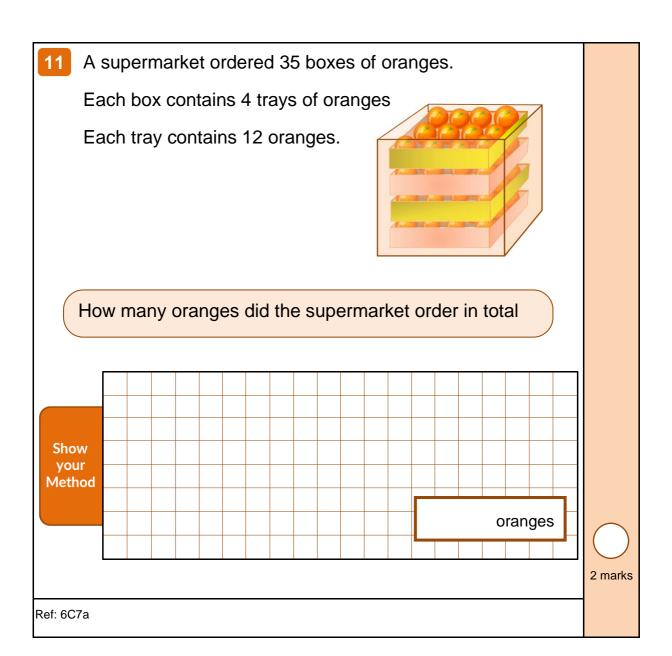


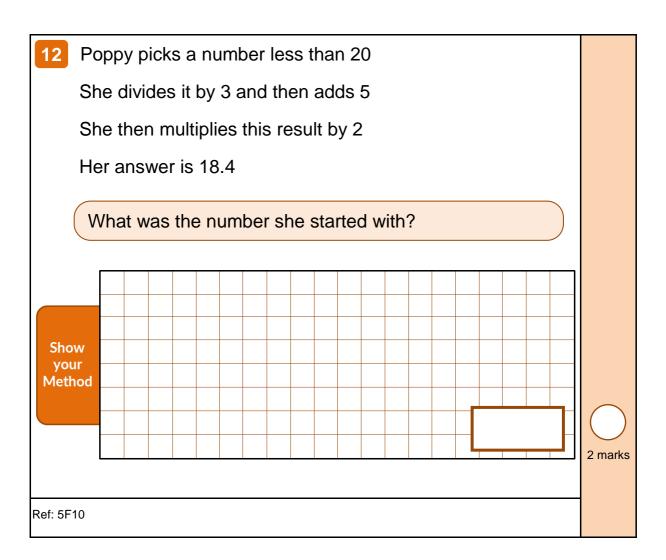


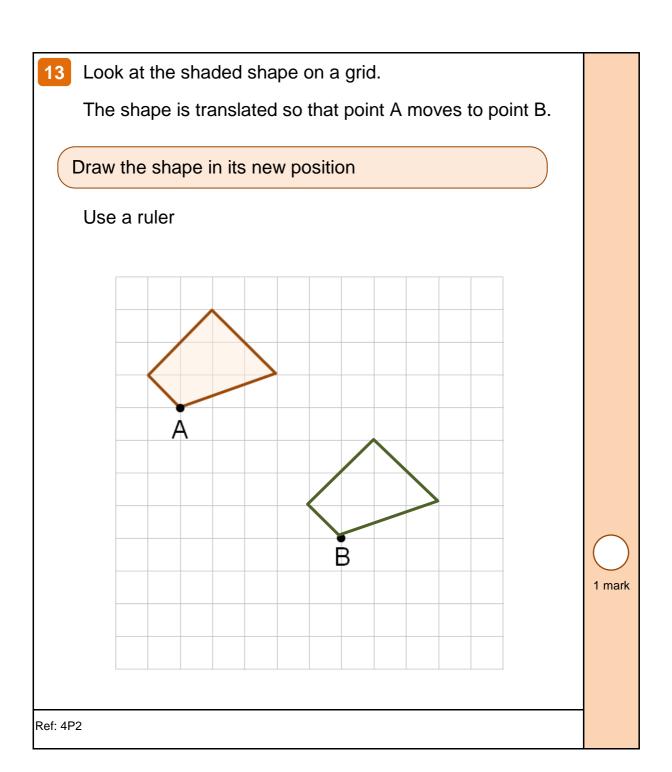


9 Here is part of the train timetable from Grimsby to London.				
Grimsby 09:34 15:45				
London 12:28				
How long does it take the 09:34 train to get to London				
hours minutes				
	1 mark			
The 15:45 train takes the same time to get to London				
Complete the timetable				
Ref: 5S1	1 mark			

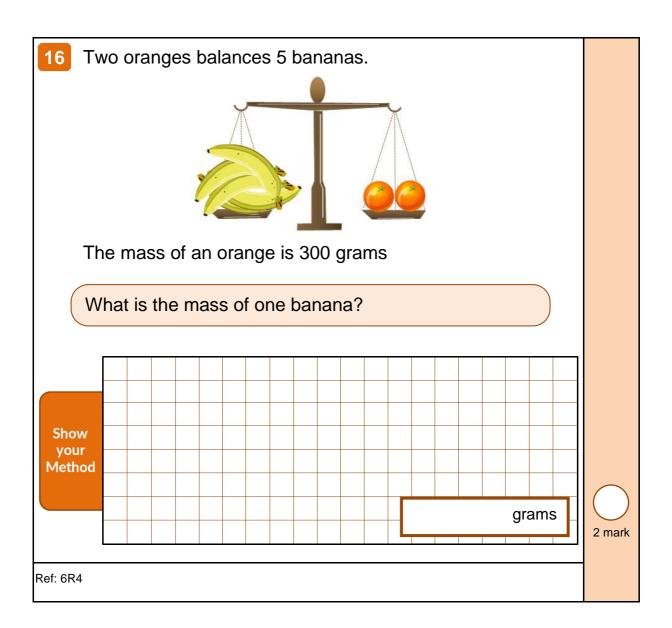


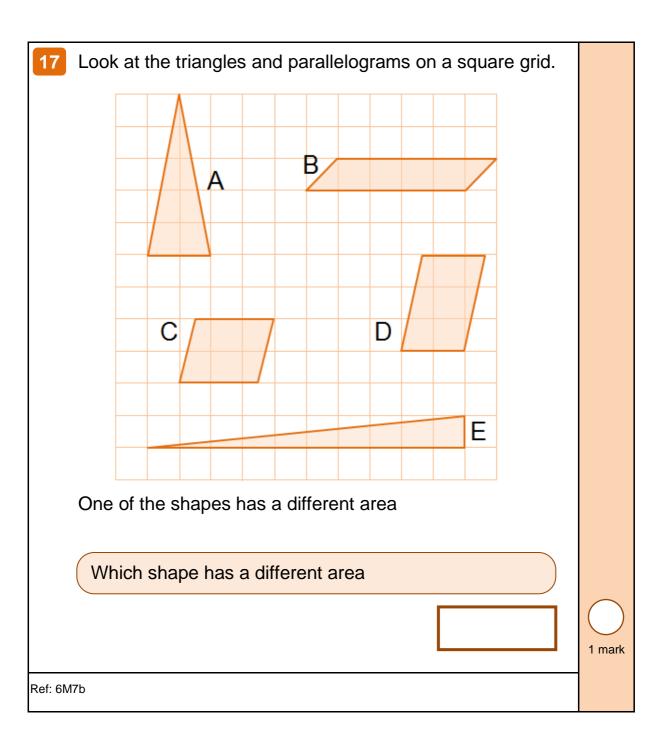


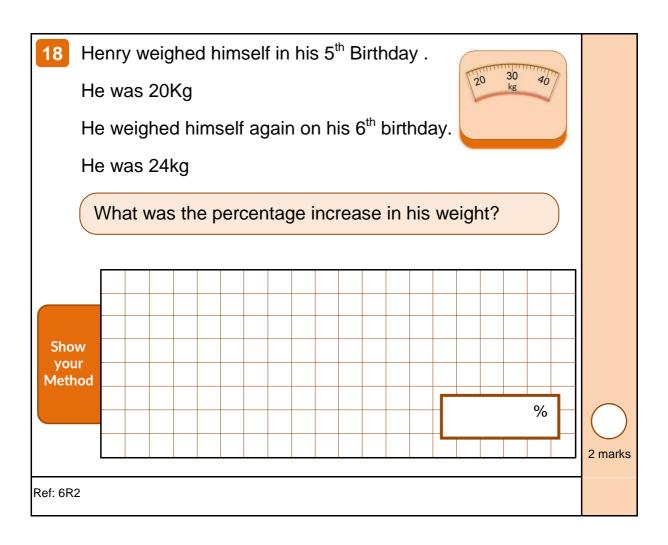


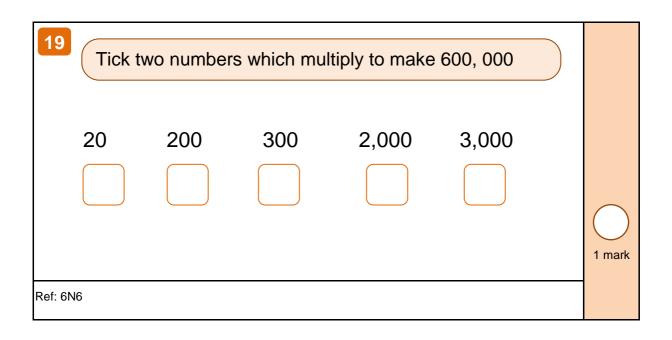


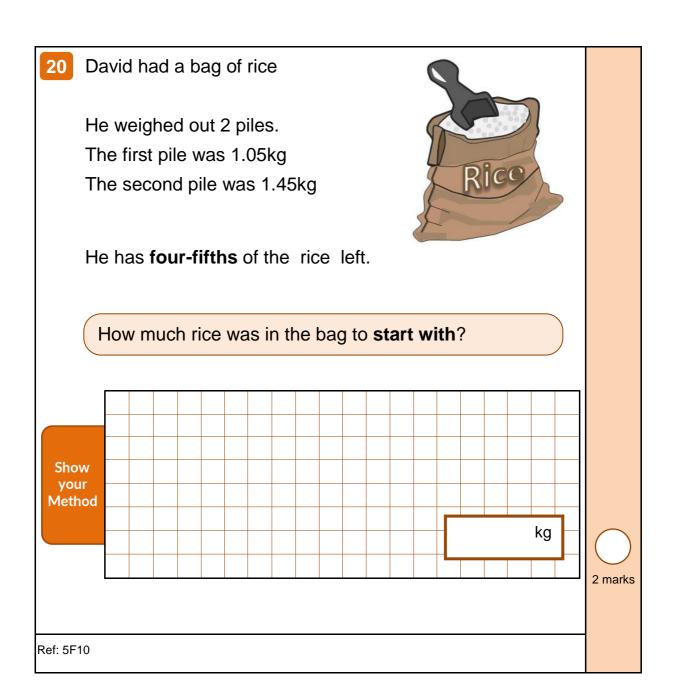
14 Henry was born in MMXI	
What year was that?	
Poppy's teacher was born in MCMLXXVI	1 mark
What year was that?	
	1 mark
Ref: 5N3b	
Round 123, 456	
to the nearest 100,000	
to the nearest 1,000	
to the nearest 10	2 mark











21 19 × 16.8 = 319.2	
Use this fact to work out 319.2 ÷ 190	
	1 mark
Ref: 6C8	