

2017 national curriculum tests

# Key stage 1

## Mathematics

### Paper 2: reasoning

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

QA ITT task \*non-secure\*



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Please do not write on this page.



## Instructions

### Questions and answers

You have one hour to complete this test, answering the questions in the answer booklet. Read one text and answer the questions about that text before moving on to read the next text. There are three texts and three sets of questions.

In this booklet, there are different types of question for you to answer in different ways. The space for your answer shows you what type of answer is needed. Write your answer in the space provided. Do not write over any barcodes.

### Short answers

Some questions are followed by a short line or box. This shows that you need only write a word or a few words in your answer.

### Several line answers

Some questions are followed by a few lines. This gives you space to write more words or a sentence or two.

### Longer answers

Some questions are followed by a large box. This shows that a longer, more detailed answer is needed to explain your opinion. You can write in full sentences if you want to.

### Selected answers

For some questions you do not need to write anything at all and you should tick, draw lines to, or put a ring around your answer. Read the instructions carefully so that you know how to answer the question.

### Marks

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

You should work through the booklet until you are asked to stop, referring to your reading booklet when you need to. When a question includes a page reference, you should refer to the text on that page to help you with your answer.

**You have one hour to read the texts in the reading booklet and answer the questions in this booklet.**





(page 10)

15 Why did the greedy man start *clapping his hands in delight*?

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1 mark

(page 10)

16 Look at the paragraph beginning *The greedy man began to climb the vine...*

**Find** and **copy one** word that means the same as *sparkle*.

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1 mark

(page 10)

17 The greedy man's first surprise was that there was no gold or silver on the moon.

On page 11, what was the **second** big surprise for the greedy man?

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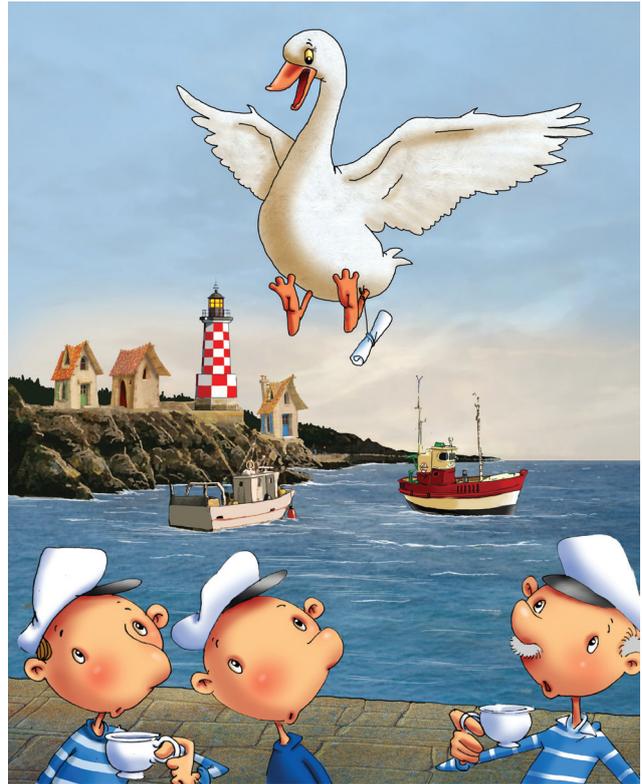


1 mark



E 0 0 0 7 0 A 0 5 1 2

Next morning William wrote a message and tied it to Bella's leg. "Fly away home!" he said. I can do it, thought Bella. She flew straight to the Harbour Cafe. The other fishermen set out to rescue William and his boat. "Brave Bella!" said William. "When I get a new boat you can come with me whenever I go to sea." Bella was happy.



6

At the end of the story, Joe was happy. Why?

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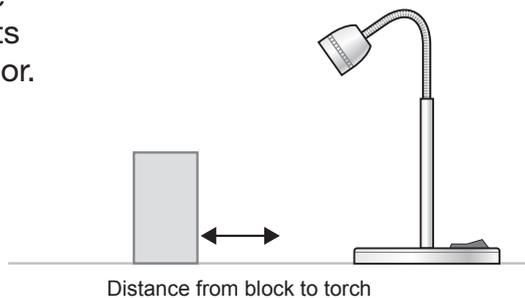
1 mark



**b**

Josh investigates if the distance he puts the lamp from the block affects the length of the shadow on the floor.

Josh records his results in the table below.



Distance of lamp from block (cm)	Length of block's shadow (cm)
5	7
10	9
15	12
20	14
25	17

Describe the relationship between the **distance of the lamp** from the block and the **length of the shadow**.




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WSUe



1 mark

**c**

Josh found out that the distance of the lamp from an object does affect how long the shadow is.

He wants to find out more about how to change shadow size

Suggest **another** investigation that Josh could carry out using the same lamp and block to find out more about how the size of a shadow changes.




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WSUd,  
P3e



1 mark



E 0 0 0 7 0 A 0 7 1 2

- 19 Tick to show whether each sentence is written in the **past tense** or the **present tense**.

Sentence	Past tense	Present tense
Aziz gave out the paint pots.		
Aziz spills water on the table.		
Aziz needed some glue.		

○  
1 mark

- 1 The numbers in this sequence increase by 14 each time.

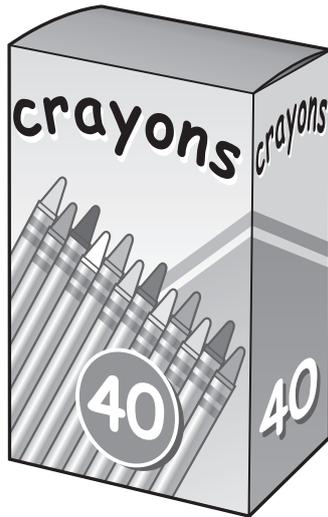
Write the missing numbers.

□ 82 96 □ 125 138 □

\_\_\_\_\_  
2 marks



28



There are **50** crayons in a box.

Sam takes **17** crayons.

Kemi takes **10** crayons.

How many crayons are left?

Show  
your  
working

crayons

2 marks



E 0 0 0 7 0 A 0 9 1 2

**11**

Using information from the text, tick one box in each row to show whether each statement is **true** or **false**.

	True	False
Two families fought for the throne.		
Maria's family symbol was the lion.		
The monument was for a prince.		
It was hot on the island.		

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1 mark





Standards  
& Testing  
Agency

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