

National curriculum tests

Key stage 2

Mathematics

Paper 1: arithmetic

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

SAMPLE BOOKLET

Published July 2015

This sample test indicates how the national curriculum will be assessed from 2016. Further information is available on GOV.UK at www.gov.uk/sta.



PUPIL ID NUMBER



S 0 0 0 8 0 A 0 1 2 0

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Instructions

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

Questions and answers

You have **30 minutes** to complete this test.

Work as quickly and as carefully as you can.

Put your answer in the box for each question.

For questions expressed as common fractions, you should give your answers as common fractions.

All other answers should be given as either whole or decimal numbers.

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**.

Marks

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

In this test, long division and long multiplication questions are worth **2 marks each**. You will be awarded 2 marks for a correct answer.

You may get 1 mark for showing a formal method.

All other questions are worth **1 mark each**.

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



1

$$979 + 100 =$$

1 mark

2

$$123 \times 2 =$$

1 mark

3

$$6.1 + 0.3 =$$

1 mark



4

$$24 \times 3 =$$

1 mark

5

$$1,034 + 586 =$$

1 mark

6

$$48 \div 6 =$$

1 mark



7

$$472 - 9 =$$

1 mark

8

$$2.5 + 0.05 =$$

1 mark

9

$$5 \times 4 \times 7 =$$

1 mark



10

$$\frac{4}{5} - \frac{1}{5} =$$

☐

1 mark

11

$$630 \div 9 =$$

☐

1 mark

12

$$1.28 \times 100 =$$

☐

1 mark



S 0 0 0 8 0 A 0 7 2 0

13

$$4^2 =$$

1 mark

14

$$50,000 - 500 =$$

1 mark

15

$$100 \times 100 =$$

1 mark



16

$$1,440 \div 12 =$$

1 mark

17

$$20\% \text{ of } 1,500 =$$

1 mark

18

$$1.52 \times 6 =$$

1 mark



19

$$\frac{1}{9} + \frac{4}{9} =$$

1 mark

20

$$5,756 + 8,643 =$$

1 mark

21

$$7,505 \div 5 =$$

1 mark



22

$$12 - 6.01 =$$

1 mark

23

$$\begin{array}{r} \times \quad 54 \\ 23 \\ \hline \end{array}$$

Show
your
method

2 marks



S 0 0 0 8 0 A 1 1 2 0

$$15.4 - 8.88 =$$


1

1	3	3	0	1	6
---	---	---	---	---	---



1

26

$$\frac{1}{4} \times \frac{1}{8} =$$

1 mark

27

$$95\% \text{ of } 240 =$$

1 mark

28

$$234,897 - 45,996 =$$

1 mark



29	$ \begin{array}{r} 678 \\ \times 54 \\ \hline \end{array} $																				<input style="width: 40px; height: 30px;" type="text"/> 2 marks
	<div style="display: flex; justify-content: space-between;"> <div style="width: 15%;">Show your method</div> <div style="width: 80%; border: 1px solid #0056b3; height: 100px;"></div> </div>																				

30	$17 \times 1\frac{1}{2} =$																				<input style="width: 40px; height: 30px;" type="text"/> 1 mark
	<div style="border: 1px solid #0056b3; height: 100px;"></div>																				



31

$$20 - 4 \times 2 =$$

1 mark

32

$$\frac{2}{5} \div 2 =$$

1 mark

33

$$1\frac{1}{5} - \frac{1}{4} =$$

1 mark



34	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">3</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">7</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">2</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">3</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">3</div> <div style="border: 1px solid black; padding: 2px 5px;">1</div> </div>																				<input style="width: 40px; height: 30px; margin: 0 auto;" type="text"/> 2 marks
	<div style="position: relative; height: 100%;"> <div style="position: absolute; bottom: 10px; right: 10px; border: 2px solid #0056b3; width: 150px; height: 40px;"></div> </div>																				
Show your method																					

35	$\frac{3}{4} + \frac{7}{8} =$																				<input style="width: 40px; height: 30px; margin: 0 auto;" type="text"/> 1 mark
	<div style="position: relative; height: 100%;"> <div style="position: absolute; bottom: 10px; right: 10px; border: 2px solid #0056b3; width: 150px; height: 40px;"></div> </div>																				



$$\frac{3}{4} \div 2 =$$
[illegible]

1 mark



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Agency

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