

2018 national curriculum tests

Key stage 2

Mathematics

Paper 1: arithmetic

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



G 0 0 0 6 0 A 0 1 2 0

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Instructions

You **must 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.



All answers should be given as a single value.

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

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 number of marks available 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**.



1

$39 + 673 =$

1 mark

2

$\frac{9}{11} - \frac{4}{11} =$

1 mark

3

$2 \times 45 =$

1 mark



4

$$838 \div 1 =$$

☐

1 mark

5

$$99 \div 11 =$$

☐

1 mark

6

$$5 \times 4 \times 10 =$$

☐

1 mark



G 0 0 0 6 0 A 0 5 2 0

7

$7,064 - 502 =$

1 mark

8

$6^2 + 10 =$

1 mark

9

$56.38 + 24.7 =$

1 mark



10

$$- 10 = 298$$

1 mark

11

$$270 \div 3 =$$

1 mark

12

$$5,400 \div 9 =$$

1 mark



G 0 0 0 6 0 A 0 7 2 0

13

$60 \div 15 =$

☐

1 mark

14

$\boxed{} = 5,776 - 855$

☐

1 mark

15

$3,050,020 = 3,000,000 + \boxed{} + 20$

☐

1 mark



16	$10 - 5.4 =$	<div></div>	<div></div> 1 mark
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17	$\frac{5}{7} + \frac{3}{21} =$	<div></div>	<div></div> 1 mark
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18	$0.1 \div 100 =$	<div></div>	<div></div> 1 mark
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19	$\frac{3}{4}$ of 1,000 =	<div></div>	<div></div> 1 mark
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20	$\begin{array}{r} 785 \\ \times 23 \\ \hline \end{array}$	<div></div>	<div></div> 2 marks
Show your method			



<p>21</p>	<p>20% of 1,200 =</p> <div data-bbox="1050 568 1321 680" style="border: 1px solid blue; height: 50px; width: 170px; margin-left: auto;"></div>	<div data-bbox="1406 568 1485 647" style="border: 1px solid black; width: 50px; height: 35px; margin: 0 auto;"></div> <p>1 mark</p>
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<p>22</p>	<p>4 3 $\overline{) 645}$</p> <div data-bbox="1050 1256 1321 1368" style="border: 1px solid blue; height: 50px; width: 170px; margin-left: auto;"></div>	<div data-bbox="1406 1256 1485 1335" style="border: 1px solid black; width: 50px; height: 35px; margin: 0 auto;"></div> <p>2 marks</p>
<p>Show your method</p>		



23

$0.5 \times 28 =$

☐

1 mark

24

$\frac{1}{2} + \frac{1}{5} =$

☐

1 mark

25

$1\frac{3}{4} + \frac{3}{4} =$

☐

1 mark



26

$$6 - 5.738 =$$

☐

1 mark

27

$$3.9 \times 30 =$$

☐

1 mark



G 0 0 0 6 0 A 0 1 3 2 0

<p>28</p>	$1\frac{1}{15} - \frac{2}{5} =$ <div data-bbox="1002 568 1273 680" style="border: 1px solid blue; height: 50px; width: 170px; margin: 20px auto;"></div>	<div data-bbox="1356 568 1436 645" style="border: 1px solid black; width: 50px; height: 34px; margin: 20px auto;"></div> <p>1 mark</p>
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<p>29</p>	<div data-bbox="271 837 632 945" style="margin: 20px;"> $\begin{array}{r} 5413 \\ \times \quad 86 \\ \hline \end{array}$ </div> <div data-bbox="1002 1254 1273 1366" style="border: 1px solid blue; height: 50px; width: 170px; margin: 20px auto;"></div>	<div data-bbox="1356 1254 1436 1330" style="border: 1px solid black; width: 50px; height: 34px; margin: 20px auto;"></div> <p>2 marks</p>
<p>Show your method</p>		



30

99% of 200 =

☐

1 mark

31 $\frac{1}{4} \div 2 =$ ☐

1 mark

32 $9^2 - 36 \div 9 =$ ☐

1 mark



G 0 0 0 6 0 A 0 1 5 2 0

33

$$1\frac{1}{2} \times 40 =$$

☐

1 mark

34

$$28\% \text{ of } 650 =$$

☐

1 mark



<p>35</p>	$4\frac{2}{3} - 1\frac{6}{7} =$ <div data-bbox="1050 568 1321 680" style="border: 1px solid blue; height: 50px; width: 170px; margin: 20px auto;"></div>	<div data-bbox="1406 568 1485 647" style="border: 1px solid black; width: 50px; height: 35px; margin: 20px auto;"></div> <p>1 mark</p>
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<p>36</p>	<div data-bbox="319 882 628 949" style="display: inline-block; text-align: center;"> $9\ 7\ \overline{)8\ 8\ 2\ 7}$ </div> <div data-bbox="1050 1256 1321 1368" style="border: 1px solid blue; height: 50px; width: 170px; margin: 20px auto;"></div>	<div data-bbox="1406 1256 1485 1335" style="border: 1px solid black; width: 50px; height: 35px; margin: 20px auto;"></div> <p>2 marks</p>
<p>Show your method</p>		



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2018 key stage 2 mathematics

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