

2023 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						



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Instructions

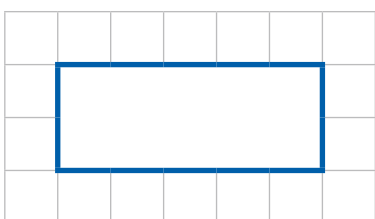
You **must not** use a calculator to answer any questions in this test.

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 answer as a common fraction, a mixed number or a whole number as appropriate.

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

$707 - 10 =$

1 mark

2

$\boxed{} = 6,138 + 456$

1 mark

3

$4 \times 702 =$

1 mark



4

$$\boxed{} = 8,005 + 408$$

1 mark

5

$$2 \times 4 \times 30 =$$

1 mark

6

$$\boxed{} = 10 \times 96$$

1 mark



L 0 0 0 6 0 A 0 5 2 0

7

$7.8 + 6.953 =$

1 mark

8

$= 8,217 - 5,463$

1 mark

9

$450 \div 9 =$

1 mark



10

$8 \times 65 =$

1 mark

11

$2,800 \div 7 =$

1 mark

12

$801 - \boxed{} = 795$

1 mark



L 0 0 0 6 0 A 0 7 2 0

13

$2,700 \div 3 =$

1 mark

14

$\frac{2}{7} \times \frac{5}{9} =$

1 mark

15

$747 \div 9 =$

1 mark



16

$$\frac{3}{16} + \frac{5}{8} =$$



1 mark

17

$$0.3 \div 10 =$$



1 mark

18

$$\frac{1}{3} + \frac{2}{6} + \frac{5}{18} =$$



1 mark



L 0 0 0 6 0 A 0 9 2 0

19

$$29.5 - 16.125 =$$

1 mark

20

$$\begin{array}{r} \\ \times 508 \\ \hline 74 \end{array}$$

Show
your
method

2 marks



21

$$\frac{1}{8} \div 3 =$$

1 mark

22

$$1 + \frac{2}{7} + \frac{5}{7} =$$

1 mark

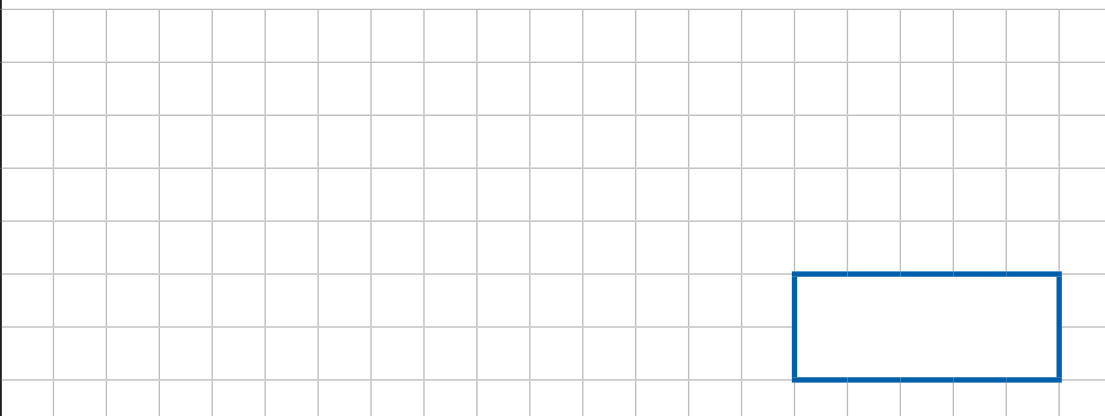
23

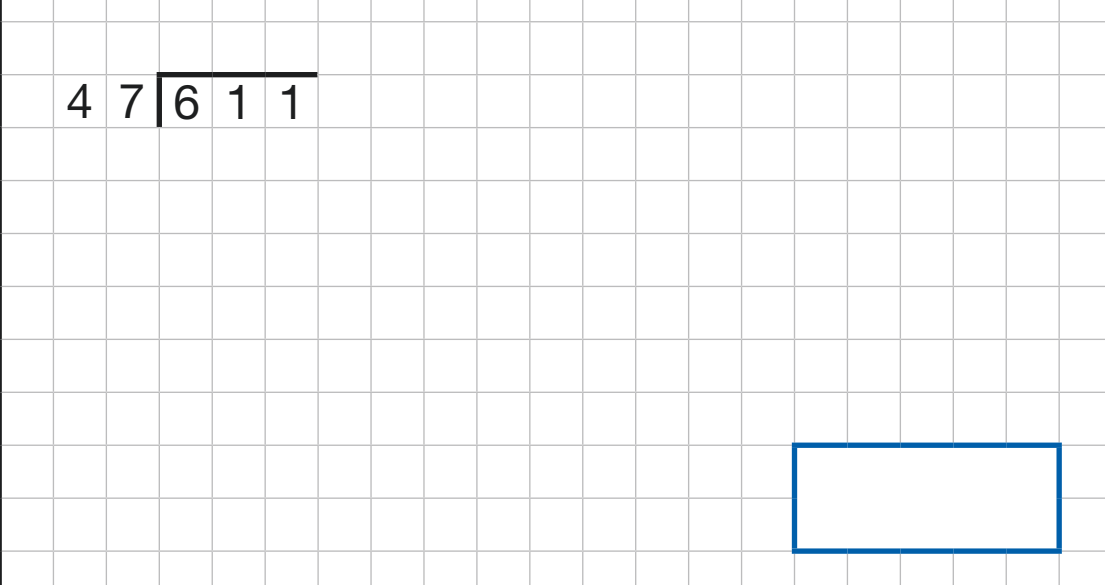
$$70 + 48 \div 6 =$$

1 mark



L 0 0 0 6 0 A 0 1 1 2 0

24	$3.2 \times 12 =$	
		<div style="border: 2px solid blue; width: 150px; height: 30px; margin: 0 auto;"></div> <div style="text-align: center; margin-top: 5px;"> <input style="width: 30px; height: 30px;" type="checkbox"/> </div> <p>1 mark</p>

25	$47 \overline{) 611}$	
Show your method		<div style="border: 2px solid blue; width: 150px; height: 30px; margin: 0 auto;"></div> <div style="text-align: center; margin-top: 5px;"> <input style="width: 30px; height: 30px;" type="checkbox"/> </div> <p>2 marks</p>



26

$5,746 \div 5 =$

A large grid area for working out the division problem $5,746 \div 5 =$. The grid consists of 20 columns and 10 rows. A blue rectangular box is drawn on the right side of the grid, spanning 6 columns and 3 rows, intended for the student to write the final answer.

1 mark

27

$52\% \text{ of } 700 =$

A large grid area for working out $52\% \text{ of } 700 =$. The grid consists of 20 columns and 10 rows. A blue rectangular box is drawn on the right side of the grid, spanning 6 columns and 3 rows, intended for the student to write the final answer.

1 mark



28	$\frac{1}{3} \div 6 =$	<input style="width: 40px; height: 30px;" type="text"/> 1 mark
<div style="border: 1px solid blue; width: 150px; height: 40px; margin: 0 auto;"></div>		

29	$\begin{array}{r} 5227 \\ \times 43 \\ \hline \end{array}$	<input style="width: 40px; height: 30px;" type="text"/> 2 marks
Show your method	<div style="border: 1px solid blue; width: 150px; height: 40px; margin: 0 auto;"></div>	



30	95% of 180 =	<input type="text"/> 1 mark

31	$0.4 \times 37 =$	<input type="text"/> 1 mark



32

$$1 - \boxed{} = \frac{7}{10}$$

1 mark

33

2 6 | 4 4 7 2

Show
your
method

2 marks



34

$$2\frac{5}{6} - \frac{3}{4} =$$

1 mark

35

$$38\% \text{ of } 750 =$$

1 mark

36

$$\frac{2}{3} \times 900 =$$

1 mark



L 0 0 0 6 0 A 0 1 7 2 0

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Standards
& Testing
Agency

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Print version product code: STA/23/8717/p ISBN: 978-1-78957-630-6

Electronic PDF version product code: STA/23/8717/e ISBN: 978-1-78957-651-1

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