

2022 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						



K 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 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

$$6,155 + 501 + 649 =$$

1 mark

2

$$0 \times 989 =$$

1 mark

3

$$10 + \boxed{} = 302$$

1 mark



4

$$2,400 \div 2 =$$

1 mark

5

$$+ 70 = 485$$

1 mark

6

$$6.48 + 8.6 =$$

1 mark



K 0 0 0 6 0 A 0 5 2 0

7

$$\boxed{} = 240 \div 8$$

1 mark

8

$$840 \div 5 =$$

1 mark

9

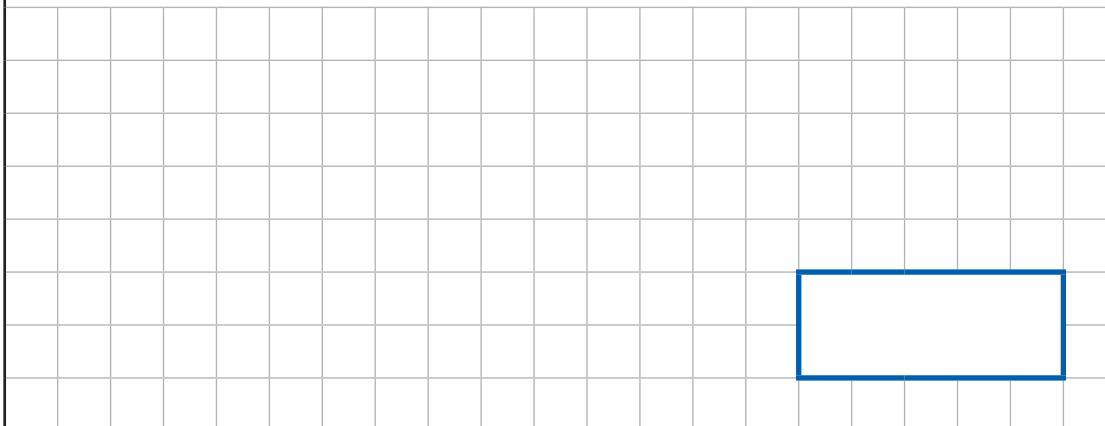
$$7,306 - 1,847 =$$

1 mark



10

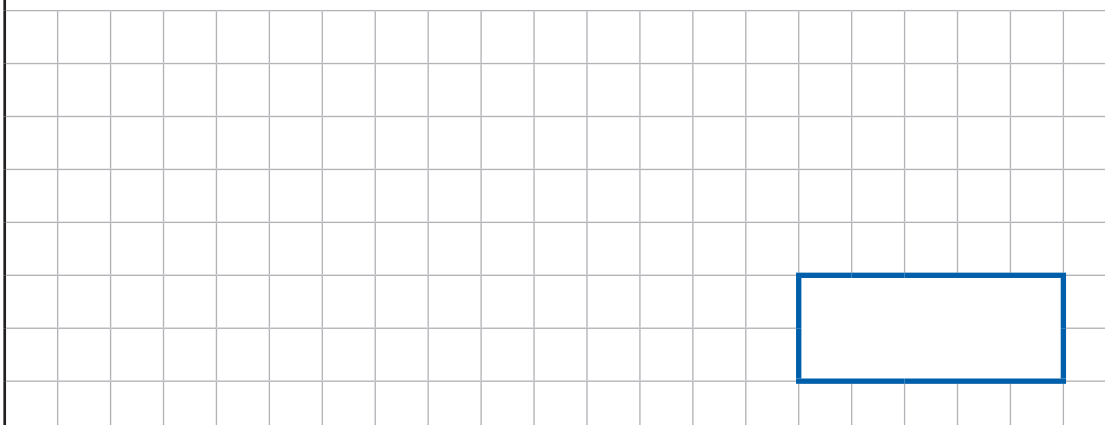
$$1,010 \times 10 =$$



1 mark

11

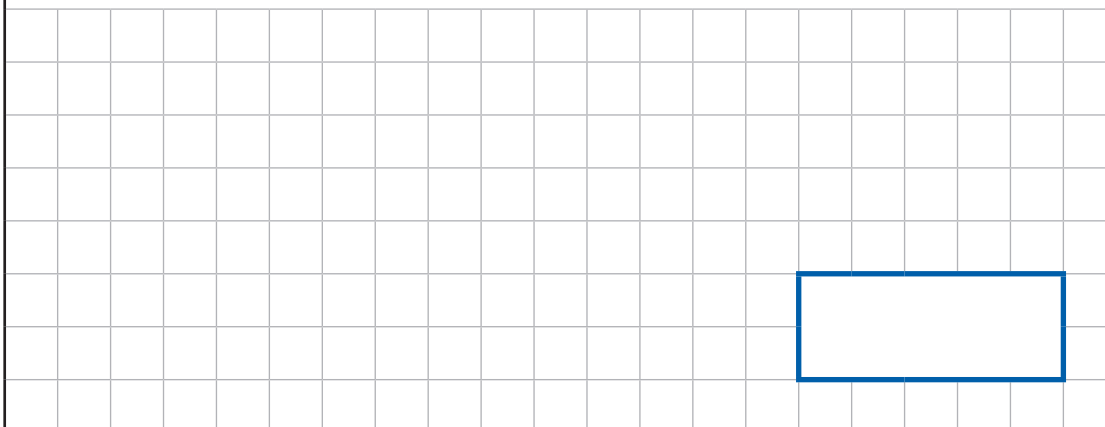
$$560 \div 7 =$$



1 mark

12

$$6 \times 10 \times 11 =$$



1 mark



13

$1,080 \div 9 =$

☐

1 mark

14

$500,000 - 5,000 =$

☐

1 mark

15

$= 596 \times 7$

☐

1 mark



$$2.12 \div 10 =$$

A 20x10 grid with a blue rectangle in the bottom right corner. The rectangle is 5 units wide and 3 units high, spanning from column 15 to column 20 and row 7 to row 10.

--	--

1 mark

17

2	1	6	7	2
---	---	---	---	---

**Show
your
method**

A 20x20 grid with a sequence of numbers 2, 1, 6, 7, 2. The number 6 is highlighted with a thick border, and a blue rectangle is drawn below it.

--	--

2 marks



18

$$\frac{4}{9} + \frac{2}{3} =$$

1 mark

19

$$\begin{array}{r} 607 \\ \times 83 \\ \hline \end{array}$$

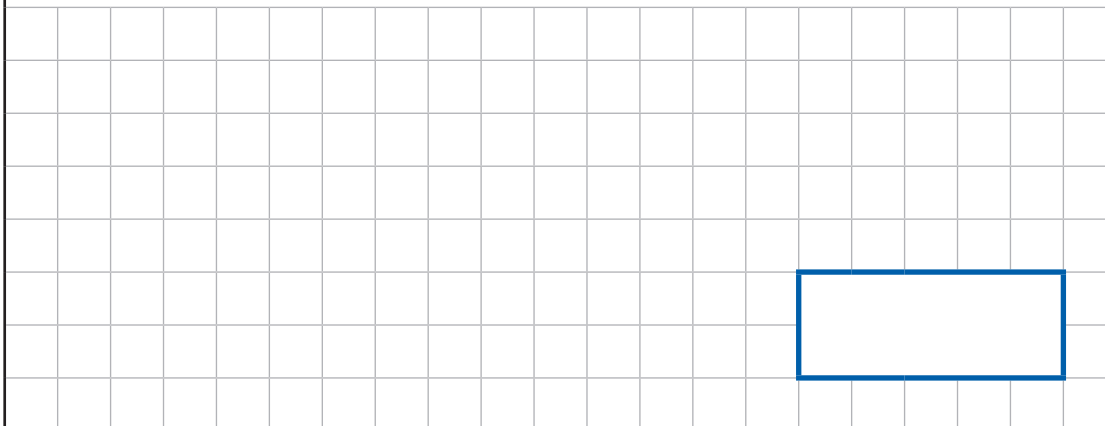
Show
your
method

2 marks



20

$$13.05 \times 1,000 =$$



1 mark

21

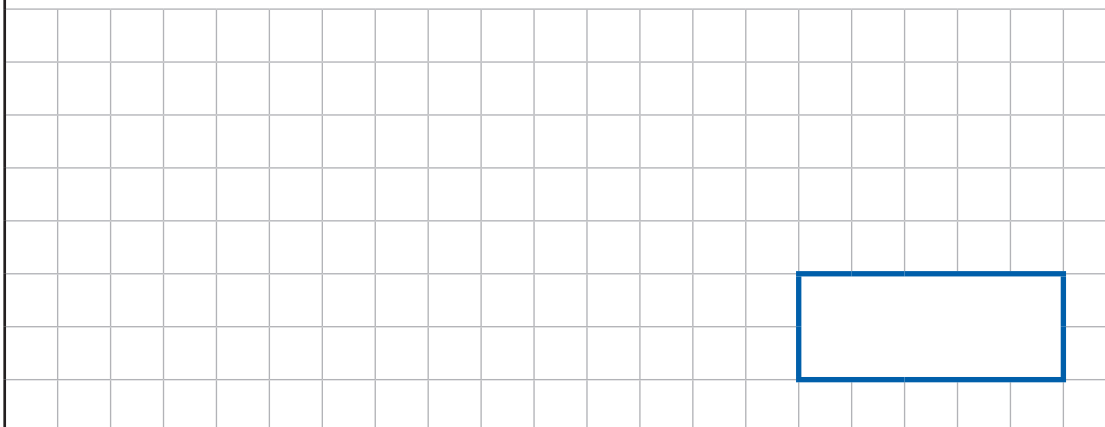
$$\frac{2}{3} + 2\frac{1}{3} =$$



1 mark

22

$$\frac{7}{10} \text{ of } 30 =$$



1 mark



23

$$8 - 5.123 =$$

☐

1 mark

24

$$\frac{1}{8} \div 2 =$$

☐

1 mark

25

$$\frac{1}{2} + \frac{1}{3} =$$

☐

1 mark



$$26 - 2.012 =$$

A blank grid with a blue rectangle on the right side. The grid is composed of 20 columns and 10 rows. A blue rectangle is drawn on the right side, spanning 4 columns and 2 rows, starting from the 17th column and the 8th row.

--	--

1 mark

27

$$15\% \text{ of } 3,200 =$$

A 20x10 grid with a blue rectangle in the bottom right corner. The rectangle is 4 units wide and 2 units high, spanning from column 16 to column 20 and row 8 to row 10.

--	--

1 mark



28 $2\% \text{ of } 3,000 =$

1 mark

29 $73 \overline{) 3066}$ Show
your
method

2 marks



80% of 115 =

A blank grid with a blue rectangle on the right side. The grid is composed of 20 columns and 10 rows. A blue rectangle is drawn on the right side, spanning 4 columns and 2 rows, starting from the 16th column and the 8th row.

--	--

1 mark

31

$$\frac{2}{7} - \frac{1}{9} =$$

A blank grid with a blue rectangle on the right side. The grid is composed of 20 columns and 10 rows. A blue rectangle is drawn on the right side, spanning 4 columns and 2 rows, starting from the 16th column and the 8th row.

--	--

1 mark



32

$$2\frac{1}{2} - \frac{2}{3} =$$

1 mark

33

$$\begin{array}{r} 4078 \\ \times \quad 67 \\ \hline \end{array}$$

Show
your
method

2 marks



34

$$10 - 2\frac{1}{4} =$$

1 mark

35

$$6 + 4 \div 2 =$$

1 mark

36

$$\frac{4}{5} \times 400 =$$

1 mark



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Standards
& Testing
Agency

2022 key stage 2 mathematics

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