

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

$$87 + 327 =$$

1 mark

2

$$5,555 + 555 + 55 =$$

1 mark

3

$$67 \div 1 =$$

1 mark



4

$3 \times 23 =$

1 mark

5

$5,200 - 1,600 =$

1 mark

6

$99 \div 9 =$

1 mark



7

$$\boxed{} = 4,381 - 2,289$$

1 mark

8

$$350 \div 5 =$$

1 mark

9

$$2,004 - 10 =$$

1 mark



10

$$4,030,206 = 4,000,000 + \boxed{} + 200 + 6$$

1 mark

11

$$\frac{4}{5} + \frac{3}{5} + \frac{2}{5} =$$

1 mark

12

$$9,600 \div 6 =$$

1 mark



B 0 0 0 6 0 A 0 7 2 0

13

$$48.5 + 7.392 =$$

1 mark

14

$$72 \div 4 =$$

1 mark

15

$$68 \times 9 =$$

1 mark



16

$$\frac{4}{5} \times \frac{1}{9} =$$

1 mark

17

$$\frac{1}{2} \text{ of } 250 =$$

1 mark

18

$$\div 8 = 12$$

1 mark



B 0 0 0 6 0 A 0 9 2 0

19	$\frac{9}{10} - \frac{1}{5} =$	<div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>
	<div style="border: 1px solid red; width: 600px; height: 150px; margin: 0 auto;"></div>		

1 mark

20	$ \begin{array}{r} 457 \\ \times 46 \\ \hline \end{array} $	<div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>
	<div style="border: 1px solid red; width: 600px; height: 150px; margin: 0 auto;"></div>		

Show
your
method

2 marks



$$4 \times 3.78 =$$

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25

5	1	7	1	4
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2 marks



26	$\frac{3}{4} \div 3 =$	<div style="border: 1px solid blue; width: 150px; height: 40px; margin: 10px auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 10px auto;"></div> 1 mark
	<div style="background-color: #f0f0f0; width: 100%; height: 150px; position: relative;"> <div style="background-color: #f0f0f0; width: 100%; height: 100%; border: 1px solid #ccc;"></div> </div>		

27	$ \begin{array}{r} 6715 \\ \times \quad 54 \\ \hline \end{array} $	<div style="border: 1px solid blue; width: 150px; height: 40px; margin: 10px auto;"></div>	<div style="border: 1px solid black; width: 40px; height: 30px; margin: 10px auto;"></div> 2 marks
	<div style="background-color: #f0f0f0; width: 100%; height: 150px; position: relative;"> <div style="background-color: #f0f0f0; width: 100%; height: 100%; border: 1px solid #ccc;"></div> </div>		



28

$$30\% \text{ of } 2,320 =$$

10

1 mark

29

$$80 - 4^3 =$$

1

1 mark



30	97% of 400 =	<div></div> <div>1 mark</div>

31	1 6 <u>2 1 7 6</u>	<div></div> <div>2 marks</div>
Show your method		



32

$$1\frac{3}{4} + 1\frac{5}{8} =$$

1 mark

33

$$0.09 \times 24 =$$

1 mark

34

$$65\% \text{ of } 680 =$$

1 mark



35

$$3\frac{1}{4} - 2\frac{4}{5} =$$

1 mark

36

$$2\frac{1}{2} \times 70 =$$

1 mark



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B 0 0 0 6 0 A 0 2 0 2 0