

Key Stage 2

Mathematics

Paper 1: Arithmetic

First Name						
Middle Name						
Last Name						
Date of Birth	Day		Month		Year	
School Name						

Published October 2017

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.

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 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 **TWO marks each**. You will be awarded **TWO** marks for the correct answer. You may get **ONE** mark for showing a formal method.

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

1

$60 + 1,000 =$

0

1mark

2

$808 + 1,317 =$

0

1mark

3

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

0

1mark

7

= 7,400 + 700



1mark

8

$7 \times 34 =$



1mark

9

$63 \div 7 =$



1mark

10

$187 \times 4 =$

0
1mark

11

$3,811 - 726 =$

0
1mark

12

$\frac{63}{100} - \frac{37}{100} =$

0
1mark

13

$$\boxed{} - 100 = 2,027$$



1mark

14

$$80 + (49 \div 7) =$$



1mark

15

$$\frac{5}{6} \times \frac{4}{5} =$$



1mark

16

$60 \times 30 =$

0
1mark

17

$567 \div 9 =$

0
1mark

18

$0.06 \div 10 =$

0
1mark

19

$$3,245 \times 1,000 =$$

○
1mark

20

$$8 - 5.65 =$$

○
1mark

21

$$\frac{2}{3} - \frac{2}{9} =$$

○
1mark

22

$$48.7 - 16.574 =$$

[illegible]

O

1mark

23

3	8	8	1
x		2	4

Show
your
method

[illegible]

O

2 marks

24

$$\frac{1}{2} + \frac{1}{4} + \frac{1}{8} =$$

[illegible]

O

1mark

25																				
	1	3	5	4	6															
Show your method																				


 2 marks

26	$\frac{3}{5} \div 3 =$																			


 1mark

27	$\frac{7}{10} \div 2 =$																			


 1mark

28

$$55\% \text{ of } 580 =$$
A 10x10 grid of squares. A 2x1 rectangle is highlighted in the bottom right corner, spanning the last two columns and the last two rows. The rectangle is outlined with a thick black border.

O

1mark

29

X

4	1	7
---	---	---

5 | 8

Show
your
method

[illegible]

O

2 marks

30

$$3 \frac{1}{4} + \frac{5}{8} =$$
A 10x10 grid of squares. A 3x2 rectangle is highlighted in the bottom right corner, spanning 3 rows and 2 columns. The highlighted area is located in the bottom right corner of the grid, specifically in the last three rows and the last two columns.

O

1mark

31

$$8\% \text{ of } 700 =$$

A 20x10 grid of squares. A rectangle with a thick black border is drawn in the bottom right corner, spanning 5 columns and 3 rows. The rectangle is positioned such that its top-left corner is at the intersection of the 15th vertical line and the 7th horizontal line from the top, and its bottom-right corner is at the intersection of the 20th vertical line and the 10th horizontal line from the top.

0
1mark

32

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

A 10x10 grid of squares. A rectangle with a thick black border is located in the bottom right corner, spanning 4 columns and 2 rows, starting from the 7th column and 8th row.

○

1mark

33

$$0.7 \times 300 =$$

A 10x10 grid of squares. A rectangle with a thick black border is located in the bottom right corner, spanning 4 columns and 2 rows. The rectangle is positioned such that its top-left corner is at the intersection of the 7th column and 8th row from the left, and its bottom-right corner is at the intersection of the 10th column and 10th row from the left.

0
1mark

34

5	7	2	1	6	6														

Show your method

2marks

35

15% x 3000 =

1mark

36

2 1/2 x 63 =

1mark