

2019 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						

Completed paper. Mark the answers
and explain what errors have
been made.



H 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**.



H 0 0 0 6 0 A 0 3 2 0

1

$$\boxed{5910} = 6,000 + 90$$

$$\begin{array}{r} \overset{5}{\cancel{6}} \overset{9}{\cancel{0}} 0 0 \\ - \quad \quad 90 \\ \hline 5910 \end{array}$$



1 mark

2

$$\boxed{8257} = 8,275 + 82$$

$$\begin{array}{r} 8275 \\ + \quad 82 \\ \hline 8257 \end{array}$$



1 mark

3

$$826 = 800 + \boxed{26} + 6$$



1 mark



4

346

$+ 5 = 341$

$341 + 5$



1 mark

5

$9 \times 41 =$

$$\begin{array}{r} 41 \\ \times 9 \\ \hline 279 \end{array}$$

279



1 mark

6

$5.87 + 3.123 =$

$$\begin{array}{r} 5.87 \\ + 3.123 \\ \hline 8.993 \end{array}$$

8.99



1 mark



H 0 0 0 6 0 A 0 5 2 0

7

$180 \div 3 =$

$18 \div 3 = 6$

6

☐

1 mark

8

$120 \div 12 =$

100

☐

1 mark

9

$213 \times 0 =$

213

☐

1 mark



10

$91 \div 7 =$

$$\begin{array}{r} 12 \\ 7 \overline{)91} \end{array}$$

12



1 mark

11

$152 = 87 - 65$

$$\begin{array}{r} 87 \\ + 65 \\ \hline 152 \end{array}$$



1 mark

12

$602 - 1196 = 594$

$$\begin{array}{r} 602 \\ + 594 \\ \hline 1196 \end{array}$$



1 mark



H 0 0 0 6 0 A 0 7 2 0

13

$1,210 \div 11 =$

120

☐

1 mark

14

$25.34 \times 10 =$

25.34
25.34

2.534

☐

1 mark

15

$60 \div (30 - 24) =$

 $60 \div 30 = 2$
 $2 - 24 = -22$

-22

☐

1 mark



16

$3^3 =$

$3 + 3 + 3$

9



1 mark

17

$101 \times 1,000 =$

~~101~~

$$\begin{array}{r}
 101 \\
 101 \times 10 \\
 101 \times 100 \\
 101 \times 1000
 \end{array}$$

101



1 mark

18

$20\% \text{ of } 3,000 =$

$10\% = 300$

600



1 mark



H 0 0 0 6 0 A 0 9 2 0

19

$7 - 2.25 =$

$$\begin{array}{r} 7 \\ - 2.25 \\ \hline 5.25 \end{array}$$

5.25



1 mark

20

$0.9 \div 100 =$

$$\begin{array}{r} 0.9 \\ 9 \quad 10 \\ 90 \quad 100 \end{array}$$

90



1 mark

21

$9 - 1.9 =$

$$\begin{array}{r} 9 \\ - 1.9 \\ \hline 8.9 \end{array}$$

8,9



1 mark



22

$$1\frac{3}{7} - \frac{4}{7} =$$

$$1\frac{3}{7} - \frac{4}{7}$$

$$1 - \frac{1}{7}$$

$$\frac{9}{7}$$

1 mark

23

x

8 3 6

2 7

$$582 (7 \times 836)$$

$$16720 (20 \times 836)$$

$$22912$$

$$111$$

Show
your
method

$$22912$$

2 marks



H 0 0 0 6 0 A 0 1 1 2 0

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

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

$$\frac{4}{9}$$

1 mark

25

3	7
---	---

0	2	4
---	---	---

8	8	8
---	---	---

8/8	1
-----	---

7	4	↓
---	---	---

1	4	8
---	---	---

1	4	0
1	3	8

1	5	0
<hr/>		
	1	0

3	7
---	---

7	4
---	---

1	0	1
---	---	---

1	3	8
---	---	---

1	7	5
---	---	---

**Show
your
method**

24 r 10

2 marks



26

$$1\frac{1}{5} + 2\frac{1}{10} =$$

$$\frac{2}{10} + \frac{1}{10}$$

$$\frac{3}{10}$$

1 mark

27

$$35\% \text{ of } 320 =$$

$$10\% = 32$$

$$10\% = 32$$

$$10\% = 32$$

$$5\% = 16$$

$$111$$

$$111$$

1 mark

28

$$\frac{8}{9} - \frac{1}{4} =$$

$$\frac{7}{5}$$

1 mark



H 0 0 0 6 0 A 0 1 3 2 0

29

51% of 900 =

$$50\% = 450$$

$$1\% = 9$$

450



1 mark

30

$$\begin{array}{r} 3468 \\ \times 62 \\ \hline \end{array}$$

$$\begin{array}{r} 68126 \quad (2 \times 3468) \\ 18243680 \quad (60 \times 3468) \\ \hline 191506 \\ 1 1 1 \end{array}$$

Show
your
method

191506



2 marks



31

$$\frac{2}{3} \div 3 =$$

$$\frac{2}{1}$$



1 mark

32

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



$$\frac{3}{2} - \frac{3}{4}$$



$$\frac{6}{4} - \frac{3}{4}$$

$$\frac{3}{4}$$



1 mark



H 0 0 0 6 0 A 0 1 5 2 0

33

36% of 450 =

$$10\% = 45$$

$$10\% = 45$$

$$5\% = 22.5$$

$$1\% = 4.5$$

$$117.0$$

, ,

117



1 mark

34

 $1\frac{3}{4} \times 10 =$
 $10\frac{30}{40}$


1 mark



35

$$\frac{5}{6} \times 540 =$$

$$\frac{5}{6} \times 540 = 2700$$

$$\frac{5}{6} \times 540 = 3240$$

	5	4	0		2	7	0	0	
x			5		+	5	4	0	
	2	7	0	0		3	2	4	0
	2								

$$\frac{2700}{3240}$$

1 mark

36

					9	8
8	3	8	0	5	1	
		7	4	7		
		6	8	1		
		6	6	4		
			1	7		

Show
your
method

						8	3	
						1	6	6
						2	4	9
						3	3	2
						4	1	5
						4	9	8
						5	8	1
						6	6	4
						7	4	7

$$98 \text{ r } 17$$

2 marks



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2019 key stage 2 mathematics

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Print version product code: STA/19/8216/p ISBN: 978-1-78957-011-3

Electronic PDF version product code: STA/19/8216/e ISBN: 978-1-78957-031-1

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