

2022 national curriculum tests

Key stage 2

Mathematics

Paper 1: arithmetic

First name	Joe					
Middle name						
Last name	King					
Date of birth	Day	27	Month	11	Year	12
School name	St Hubert's					
DfE number	000/0000					



[BLANK PAGE]

Please do not write on this page.



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

$6,155 + 501 + 649 =$

	6	1	5	5	
	5	0	1		
	6	4	9		
	<hr/>				
1	7	5	5	5	

17555

1 mark

2

$0 \times 989 =$

0

1 mark

3

$10 + \boxed{290} = 302$

1 mark



4

$2,400 \div 2 =$

1200

1 mark

5

$560 + 70 = 485$

1 mark

6

$6.48 + 8.6 =$

$$\begin{array}{r} 6.48 \\ 8.6 \\ \hline 15.08 \end{array}$$

1508

1 mark



7

248

$= 240 \div 8$

1 mark

8

$840 \div 5 =$

$$\begin{array}{r} 180 \\ 5 \overline{) 840} \\ \underline{5} \\ 34 \\ \underline{30} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

180

1 mark

9

$7,306 - 1,847 =$

$$\begin{array}{r} 7306 \\ - 1847 \\ \hline 6541 \end{array}$$

6451

1 mark



10

$1,010 \times 10 =$

10100

1 mark

11

$560 \div 7 =$

$$\begin{array}{r} 008 \\ 7 \overline{) 560} \end{array}$$

008

1 mark

12

$6 \times 10 \times 11 =$

116

1 mark



13

$1,080 \div 9 =$

$$\begin{array}{r} 109 \text{ r } 1 \\ 9 \overline{) 1080} \\ \underline{9 } \\ 10 \\ \underline{9 } \\ 10 \\ \underline{9 } \\ 100 \\ \underline{90} \\ 10 \end{array}$$

109r 1

1 mark

14

$500,000 - 5,000 =$

0

1 mark

15

$\boxed{} = 596 \times 7$

$$\begin{array}{r} 596 \\ \times 7 \\ \hline 4132 \end{array}$$

1 mark



16

$$2.12 \div 10 =$$

21.2



1 mark

17

$$\begin{array}{r} 112 \\ 21 \overline{) 21672} \end{array}$$

$$\begin{array}{r} 21 \\ \underline{42} \\ 462 \\ \underline{420} \\ 252 \\ \underline{210} \\ 42 \\ \underline{42} \\ 0 \end{array}$$

Show
your
method

112



2 marks



K 0 0 0 6 0 A 0 9 2 0

18

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

$$\frac{6}{12}$$

1 mark

19

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

$$\begin{array}{r} 1821 \\ 4856 \\ \hline 6677 \end{array}$$

Show your method

$$6677$$

2 marks



20

$$13.05 \times 1,000 =$$

13.05000

1 mark

21

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

3

1 mark

22

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

$$30 \div 10 = 3$$

$$3 \times 7 = 21$$

21%

1 mark



23

$$8 - 5.123 =$$

3.877

1 mark

24

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

$\frac{1}{16}$

1 mark

25

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

$\frac{2}{6}$

1 mark



26

$$26 - 2.012 =$$

28.012

1 mark

27

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

$$10\% \text{ of } 3\ 2\ 0\ 0 = 3\ 2\ 0$$

$$5\% \text{ of } 3\ 2\ 0\ 0 = 1\ 6\ 0$$

$$\underline{\quad\quad\quad}$$
$$4\ 3\ 0$$

430%

1 mark



28

2% of 3,000 =

600

1 mark

29

73 | 00555 r 18
3066

365

616

365

351

365

18

Show your method

555r18

2 marks



30

80% of 115 =

1 0 % of 1 1 5 = 1 1 . 5

1 1 . 5 x 8 = 8 8 . 4

88.4

1 mark

31

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

$\frac{1}{2}$

1 mark



32

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

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

1 mark

33

$$\begin{array}{r} 4078 \\ \times 67 \\ \hline 28546 \\ 244680 \\ \hline 262126 \end{array}$$

Show your method

262126

2 marks



34

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

$8\frac{3}{4}$

1 mark

35

$$6 + 4 \div 2 =$$

5

1 mark

36

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

$$400 \times 5 = 2000$$

$$2000 \div 4 = 500$$

500

1 mark



[END OF TEST]

Please do not write on this page.



[BLANK PAGE]

Please do not write on this page.



2022 key stage 2 mathematics

Paper 1: arithmetic

Print version product code: STA/22/8417/p ISBN: 978-1-78957-265-0

Electronic PDF version product code: STA/22/8417/e ISBN: 978-1-78957-286-5

For more copies

Additional copies of this book are not available during the test window.

They can be downloaded afterwards from

<https://www.gov.uk/government/collections/national-curriculum-assessments-practice-materials>.

© Crown copyright 2022

Re-use of Crown copyright in test materials

Subject to the exceptions listed below, the test materials on this website are Crown copyright and you may re-use them (not including logos) free of charge in any format or medium in accordance with the terms of the Open Government Licence v3.0 which can be found on the National Archives website and accessed via the following link: www.nationalarchives.gov.uk/doc/open-government-licence. When you use this information under the Open Government Licence v3.0, you should include the following attribution: 'Contains material developed by the Standards and Testing Agency for 2022 national curriculum assessments and licensed under Open Government Licence v3.0' and where possible provide a link to the licence.



Exceptions – third-party copyright content in test materials

You must obtain permission from the relevant copyright owners, as listed in the '2022 key stage 2 tests copyright report', for re-use of any third-party copyright content which we have identified in the test materials, as listed below. Alternatively, you should remove the unlicensed third-party copyright content and/or replace it with appropriately licensed material.

Third-party content

These materials contain no third-party copyright content.

If you have any queries regarding these test materials, contact the national curriculum assessments helpline on 0300 303 3013 or email assessments@education.gov.uk.

