

2018 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						



**[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.

A grid of 10 columns and 4 rows. A blue rectangular box is drawn in the center, spanning 4 columns and 2 rows. The grid lines are red, and the box is blue.

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**.



**1**

$$39 + 673 =$$

1 mark

**2**

$$\frac{9}{11} - \frac{4}{11} =$$

1 mark

**3**

$$2 \times 45 =$$

1 mark



4

$$838 \div 1 =$$

1 mark

5

$$99 \div 11 =$$

1 mark

6

$$5 \times 4 \times 10 =$$

1 mark



G 0 0 0 6 0 A 0 5 2 0

7

$$7,064 - 502 =$$

1 mark

8

$$6^2 + 10 =$$

1 mark

9

$$56.38 + 24.7 =$$

1 mark



10

$$\boxed{\phantom{0000}} - 10 = 298$$

1 mark

11

$$270 \div 3 =$$

1 mark

12

$$5,400 \div 9 =$$

1 mark



G 0 0 0 6 0 A 0 7 2 0

**13**

$60 \div 15 =$

1 mark

**14**

$\boxed{\phantom{0000}} = 5,776 - 855$

1 mark

**15**

$3,050,020 = 3,000,000 + \boxed{\phantom{000000}} + 20$

1 mark





**16**

$$10 - 5.4 =$$

1 mark

**17**

$$\frac{5}{7} + \frac{3}{21} =$$

1 mark

**18**

$$0.1 \div 100 =$$

1 mark



**19**

$\frac{3}{4}$  of 1,000 =

Red grid area for working out the answer to question 19.

Blue rectangular box for the final answer to question 19.

Small square box for the mark value of question 19.

1 mark

**20**

$$\begin{array}{r} 785 \\ \times 23 \\ \hline \end{array}$$

Show  
your  
method

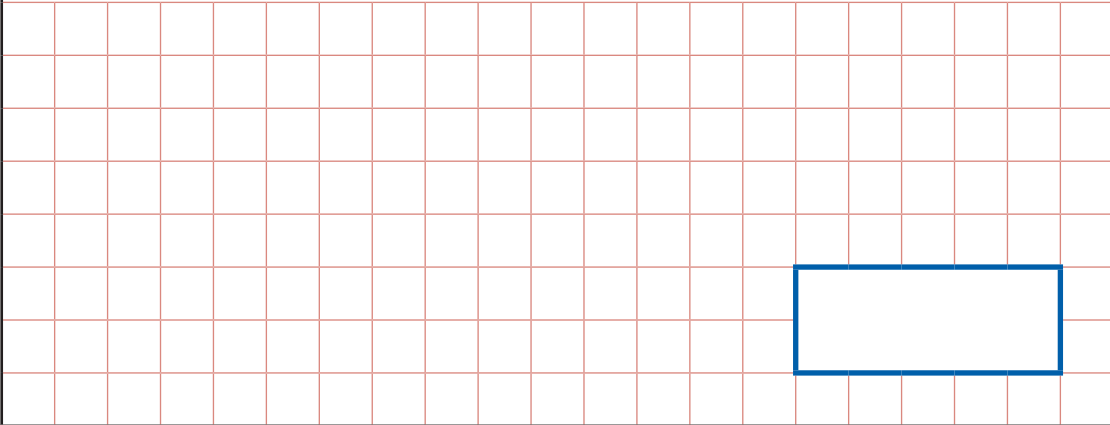
Red grid area for showing the method of multiplication for question 20.

Blue rectangular box for the final answer to question 20.

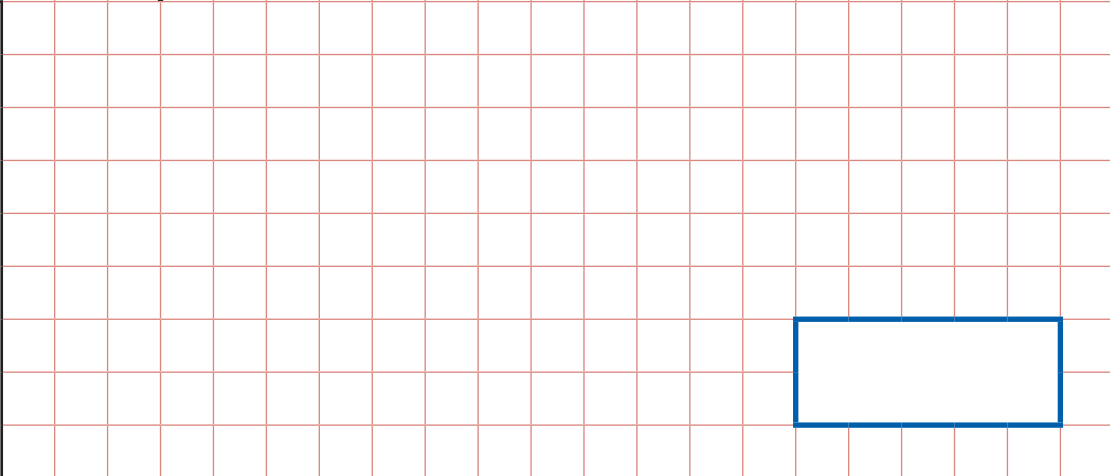
Small square box for the mark value of question 20.

2 marks



<b>21</b>	20% of 1,200 =	<input type="text"/>	<input type="checkbox"/>
			

1 mark

<b>22</b>	4 3   6 4 5	<input type="text"/>	<input type="checkbox"/>
			

Show  
your  
method

2 marks



**23**

$0.5 \times 28 =$

1 mark

**24**

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

1 mark

**25**

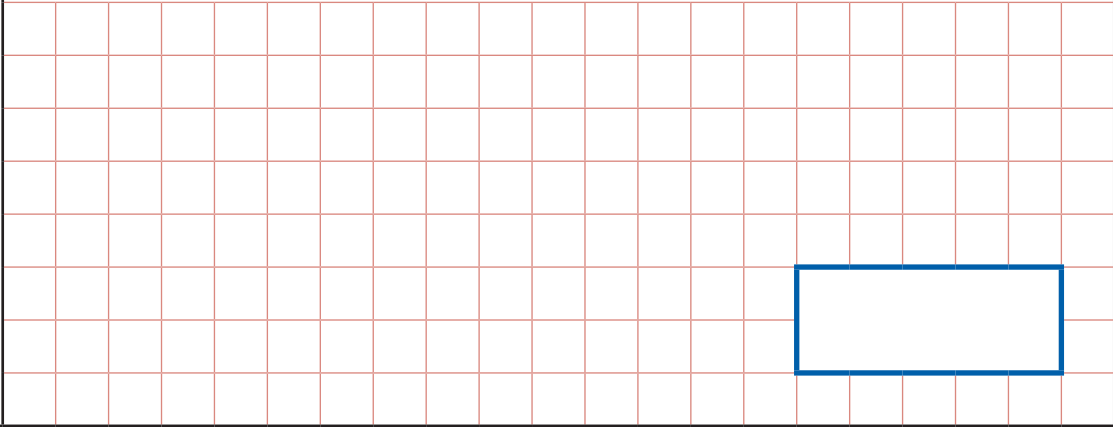
$1\frac{3}{4} + \frac{3}{4} =$

1 mark



**26**

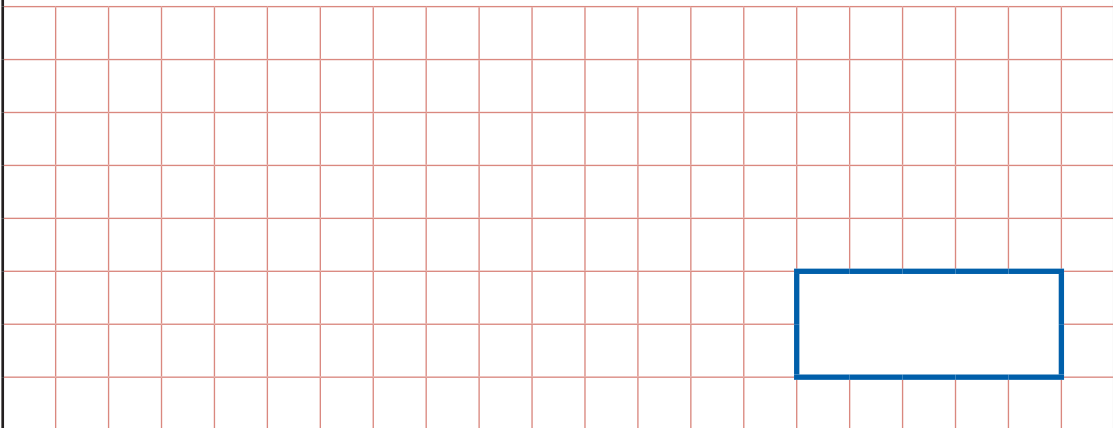
$$6 - 5.738 =$$



1 mark

**27**

$$3.9 \times 30 =$$



1 mark



**28**

$$1\frac{1}{15} - \frac{2}{5} =$$

1 mark

**29**

$$\begin{array}{r} \phantom{\times} \phantom{000} 5413 \\ \times \phantom{000} \phantom{00} 86 \\ \hline \end{array}$$

Show  
your  
method

2 marks



**30**

$$99\% \text{ of } 200 =$$

1 mark

**31**

$$\frac{1}{4} \div 2 =$$

1 mark

**32**

$$9^2 - 36 \div 9 =$$

1 mark



**33**

$$1\frac{1}{2} \times 40 =$$

1 mark

**34**

$$28\% \text{ of } 650 =$$

1 mark





**35**

$$4\frac{2}{3} - 1\frac{6}{7} =$$

1 mark

**36**

9 7 | 8 8 2 7

Show  
your  
method

2 marks



**[END OF TEST]**

Please do not write on this page.



**[BLANK PAGE]**

Please do not write on this page.





Standards  
& Testing  
Agency

2018 key stage 2 mathematics

Paper 1: arithmetic

Print version product code: STA/18/7973/p ISBN: 978-1-78644-626-8

Electronic PDF version product code: STA/18/7973/e ISBN: 978-1-78644-646-6

### For more copies

Additional printed copies of this booklet are not available. It can be downloaded from [www.gov.uk/government/publications](http://www.gov.uk/government/publications).

© Crown copyright 2018

### 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](http://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 2018 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 '2018 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](mailto:assessments@education.gov.uk).

