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 | | | | |

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Instructions

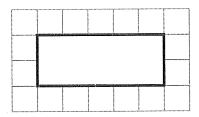
You must not use a calculator to answer any questions in this test.

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.

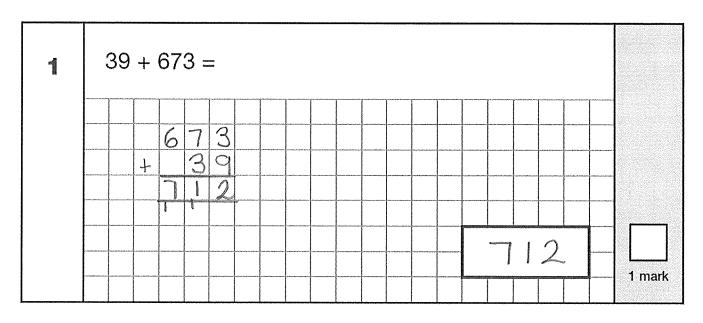
If you finish before the end, go back and check your work.

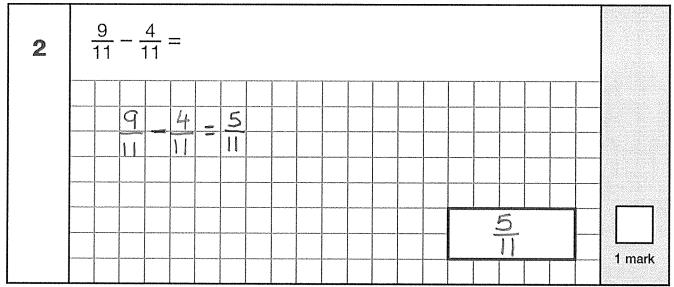
Marks

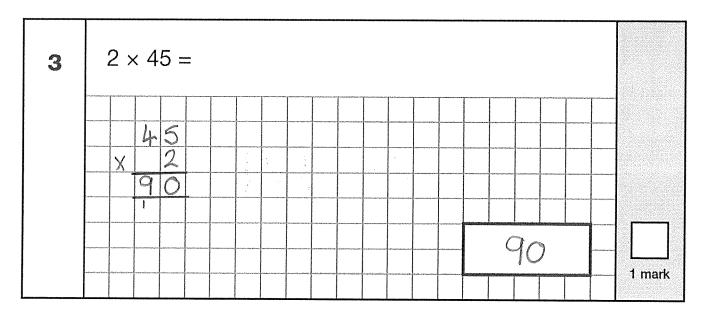
The number under each box at the side of the page tells you the number of marks available for each question.

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.

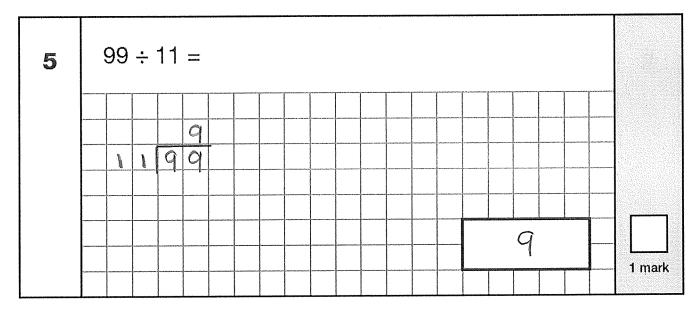


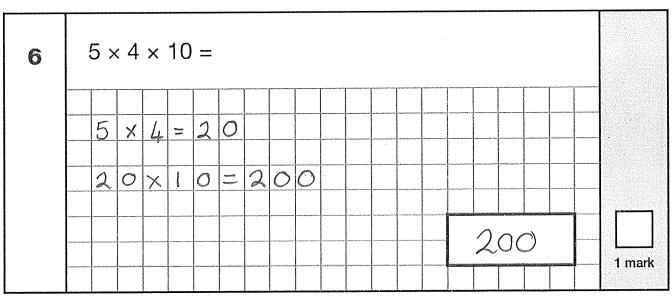




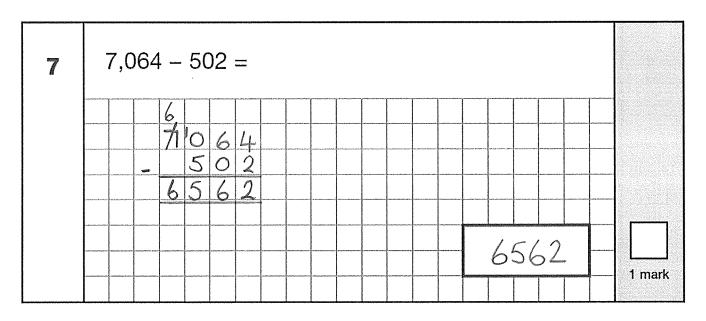


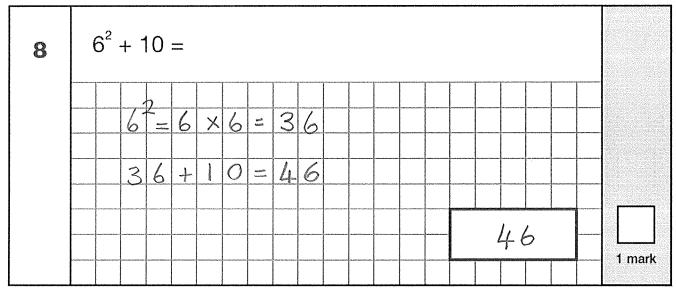
| 4 | 838 ÷ 1 = | |
|---|--|--------|
| | 838 Any number divided 1838 by 1 remains the some. 838 | 1 mark |

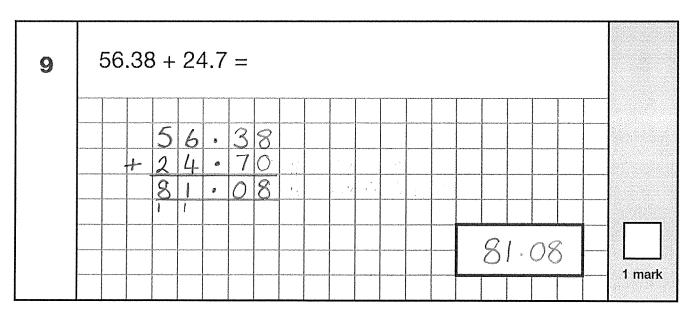




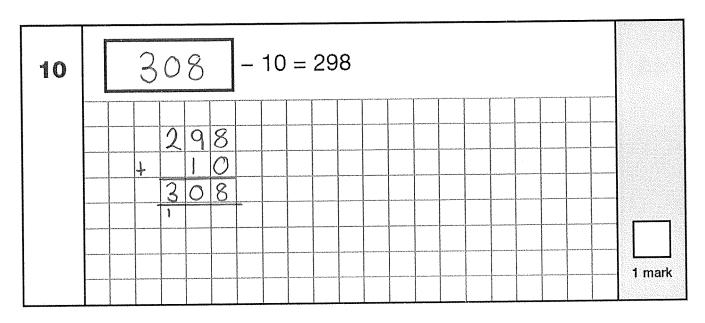


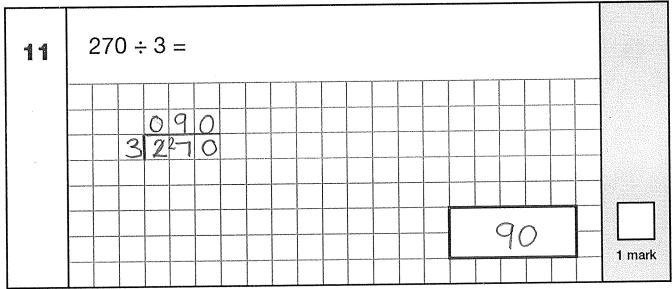


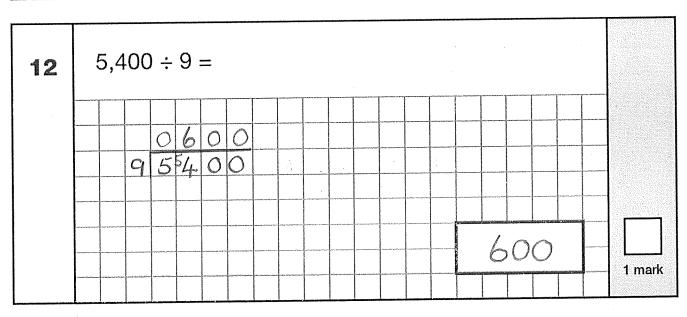




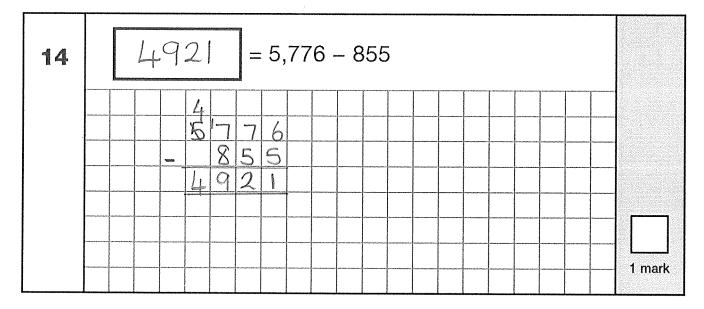


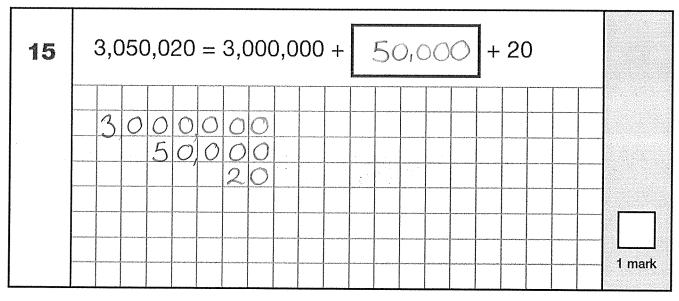




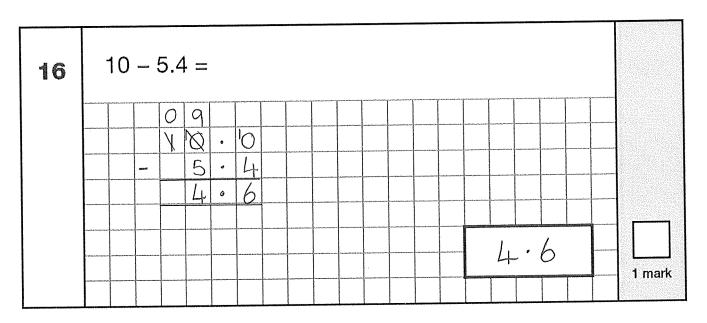


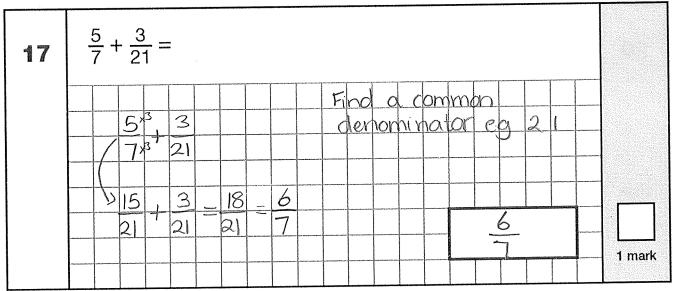
| 13 | 60 ÷ 15 = | |
|----|-----------|------|
| | | |
| | 4 302 | |
| | 1560 453 | |
| | 604 | |
| | | |
| | | |
| | | mark |
| | | |

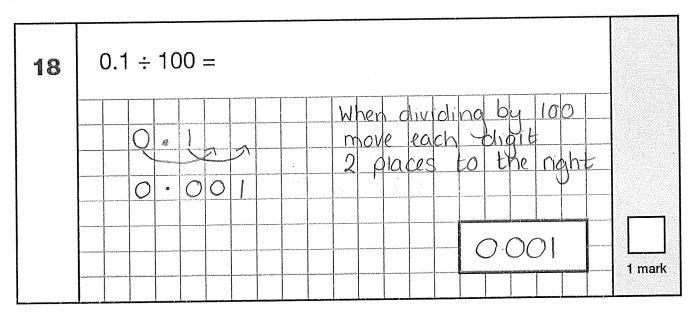


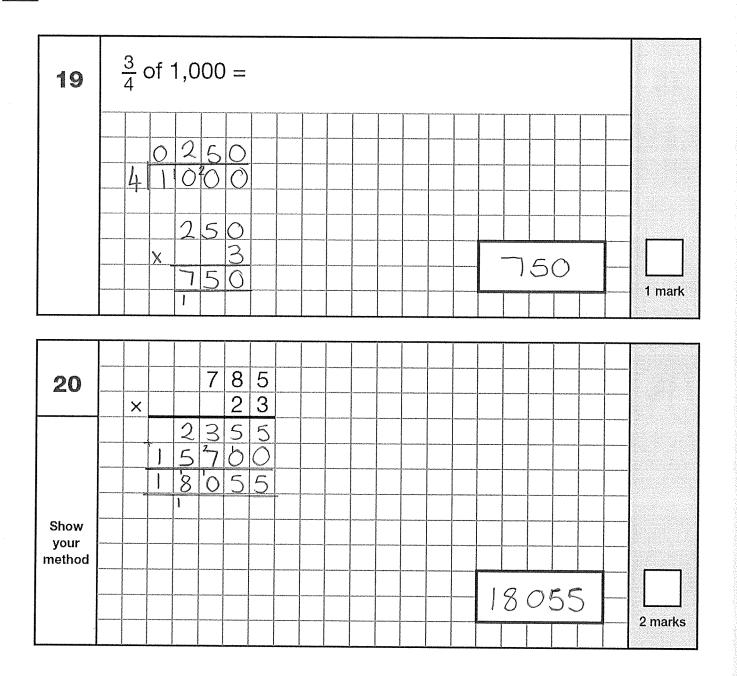


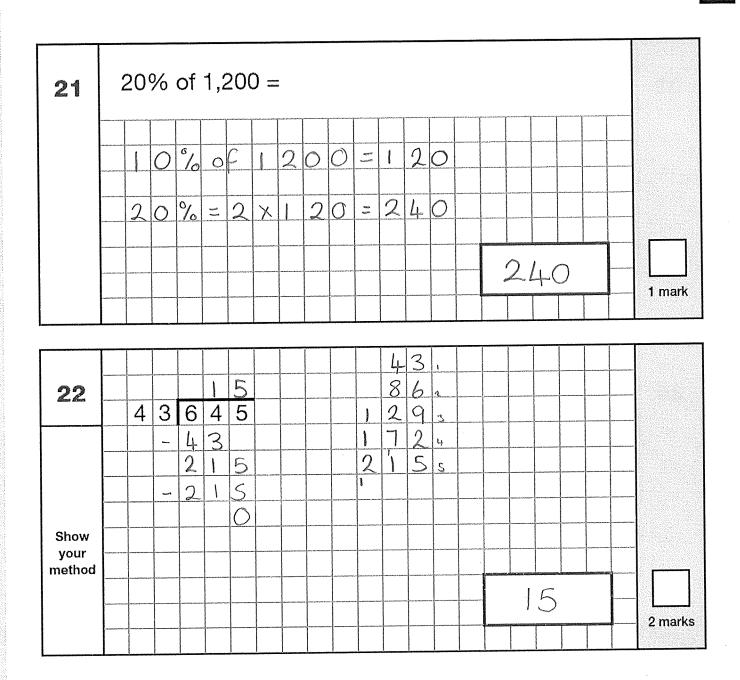




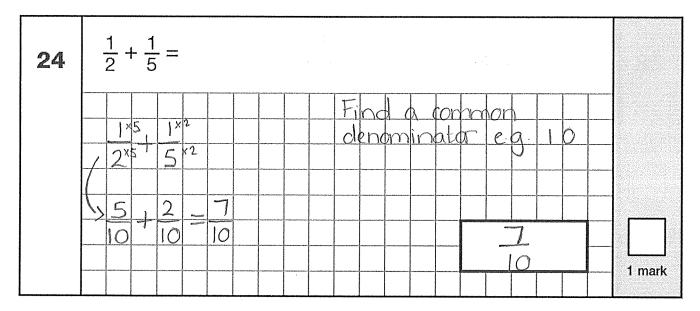


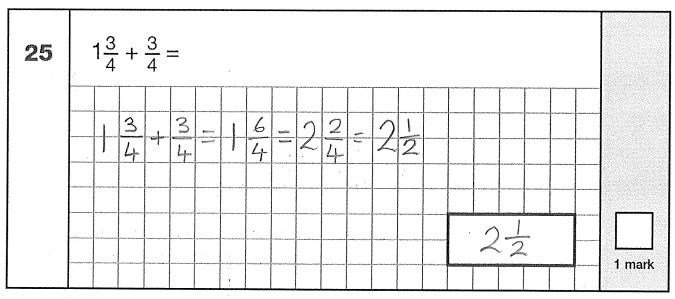






| 23 | 0.5 × 28 = | |
|----|------------------------------|--------|
| | $0.5 = 2$ $1 \times 28 = 14$ | |
| | | 1 mark |

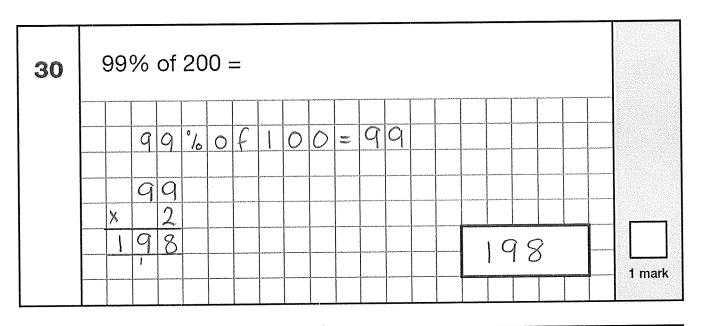


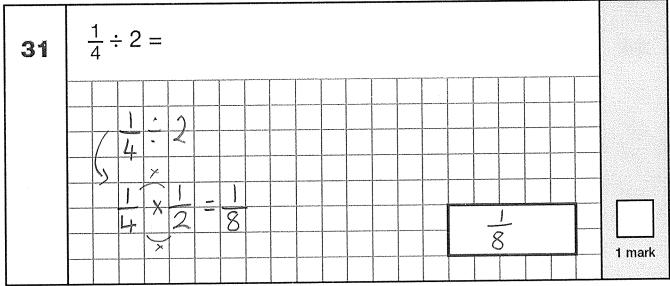


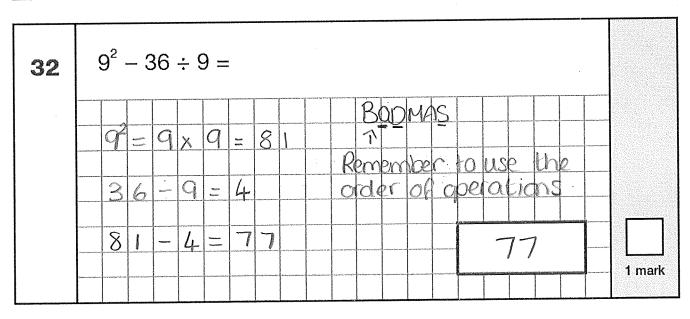
| 26 | 6 - 5.738 = | |
|----|-------------|--------|
| | 5 99 | |
| | 0.262 | |
| | | 1 mark |

| 27 | 3.9 × 30 = | |
|----|---|--------|
| | 3 · 9 × 1 0 = 3 9 · · · · · · · · · · · · · · · · · · | 1 mark |

| $1\frac{1}{15} - \frac{2}{5} =$ | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|-----|----------------|-------------------------------------|-------------|--|----------------------------|--|--|---|--|-----|--|--|--|--|----|----------|---|----|--|--|
| | | 1 15 | | bounds. | | | | | | 3 | 3 | 1 | | | | 1 | | J | 5 | | |
| \ <u>\</u> | 1 7 | <u> </u> 15 | | 6 15 | | 16 15 | | 6 | *************************************** | <u>10</u> | | 23 | | | | |) | | | | |
| <u>C</u> | Ot | 7 V(| ert | t | b (| λU | Ìn | P | TOP | ec | Fr | ac | hà | 7 | | | | | | | 1 mark |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | × | | | 5 | 4 | 1 | 3 6 | | R | em | Pr | _ be | C | to |) U | se | C | | la | re | |
| 1 | | 4 4 | 3336 | 2 3 5 | 40101 | 7 '4 J | 8 0 8 | -L/ | | ā. | 1 1 | 3 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | <u> </u> | | Q | | |
| | | 7 | 1 1 15 15 15 15 15 15 | 1 - 15 | 1 1 2 1 15 5 1 15 15 7 Convert to | 1 1 2 3 1 15 5x3 1 1 | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1 1 2 3 1 15 5x3 1 15 5x3 1 15 15 15 1 15 15 15 Convert to an in 8 6 x 8 6 3 2 4 7 8 4 3 3 0 4 0 | 1 1 2 3 1 15 5x3 1 15 5x3 1 15 5x3 1 15 16 6 1 15 15 15 15 Convert to an import | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1 | Find den 15 5x3 den 15 15 15 15 15 15 15 15 15 15 15 15 15 | Find a denomination of the second of the sec | Find a a denominal state of the | Find a come denominate | 1 | 1 | 1 | 1 | Find a common denominator eq 15 1 1 2 3 denominator eq 15 1 15 5 3 denominator eq 15 1 15 15 15 15 3 2 3 Convert to an improper fraction 5 4 1 3 × 8 6 Remember to use a plant of the denominator eq 15 3 2 4 7 8 pader | Find a common denominator eq 15 115 5x3 115 15 15 15 3 2 Convert to an improper fraction 5 4 1 3 × 8 6 Remember to use a place 4 3 3 0 4 0 4 6 5 5 1 8 |







| 33 | $1\frac{1}{2}\times40=$ | |
|----|----------------------------|--------|
| | 1 × 40 = 40 1 × 40 = 20 | |
| | 1 ½ x 40 - 60 | 1 mark |

| 34 | 2 | 289 | % | of | 65 | 50 : | | | | | | | | | | | | | | |
|----|-----|-----|---|----|---------------|------|---|--------|---|---|---|---|---|-----|-----|-----|----|--|------|-----|
| | | | 0 | 0, | 0 | | 6 | 5 E | 0 | = | 6 | 5 | 5 | +_, | 350 | 02 | | | | |
| | | 6 | 5 | 10 | C | 6 | | 5 | | = | 6 | | | | 0 | | | | | |
| | × 1 | 3 | 2 | | <u>х</u> 5 | 2 4 | *************************************** | 8 | | | | | | | 18 | 3 2 | s/ | | 1 ma | ark |

| 35 | $4\frac{2}{3}-1\frac{6}{7}=$ | |
|------------------------|--|---------|
| | Find a common denominator 43^{1} 16^{13} $eg 2 1$ $g 8$ 918 918 114 $18 = 38 = 39 = 59 = 59 = 59 = 121 = 21 = 21 = 21 = 21 = 21 = 21 = $ | 1 mark |
| 36 | 978827 2913 -873 388 - | |
| Show your method | - 97 582 ⁶ - 97 582 ⁶ - 776 ⁸ 873 ⁹ - 970 ¹⁰ | 2 marks |

[END OF TEST]

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2018 key stage 2 mathematics

Paper 1: arithmetic

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