2017 national curriculum tests



# **Mathematics**

## Paper 1: arithmetic

| First name    |     |          |       |      |  |
|---------------|-----|----------|-------|------|--|
| Middle name   |     |          |       |      |  |
| Last name     |     |          |       |      |  |
| Date of birth | Day |          | Month | Year |  |
| School name   |     | <u>`</u> |       |      |  |
| 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

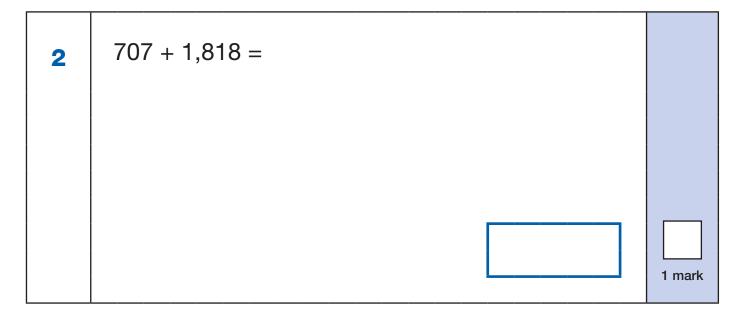
The number under each box at the side of the page tells you the maximum number of marks for each question.

In this test, long division and long multiplication questions are worth **TWO marks each**. You will be awarded **TWO** marks for a correct answer. You may get **ONE** mark for showing a formal method.

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



| 1 | 40 + 1,000 = |        |
|---|--------------|--------|
|   |              |        |
|   |              |        |
|   |              | 1 mark |







| 4 | 505 ÷ 1 = |        |
|---|-----------|--------|
|   |           |        |
|   |           |        |
|   |           | 1 mark |



| 6 | 2.7 + 3.014 = |        |
|---|---------------|--------|
|   |               |        |
|   |               |        |
|   |               | 1 mark |



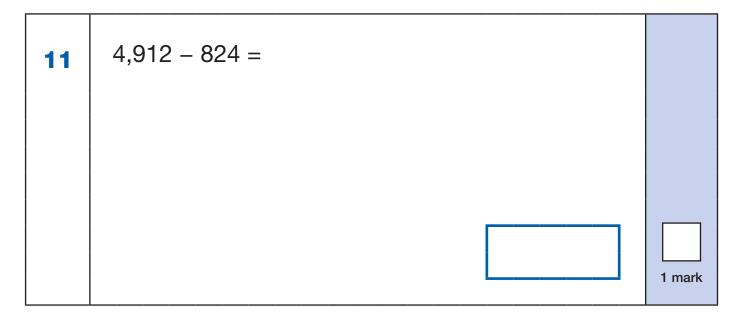
| 7 | = 4,500 + 600 |        |
|---|---------------|--------|
|   |               |        |
|   |               |        |
|   |               | 1 mark |



| 9 | 72 ÷ 9 = |        |
|---|----------|--------|
|   |          |        |
|   |          |        |
|   |          | 1 mark |

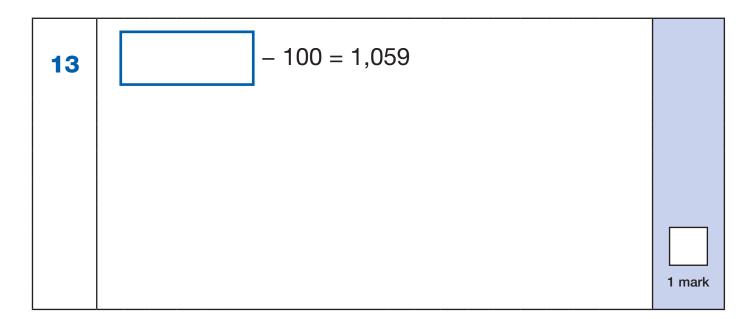


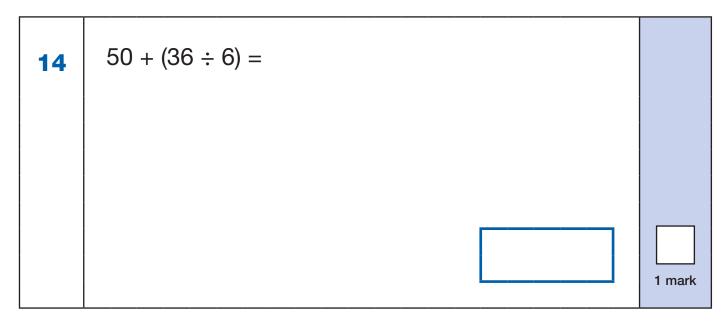
| 10 | 167 × 4 = |        |
|----|-----------|--------|
|    |           |        |
|    |           |        |
|    |           | 1 mark |







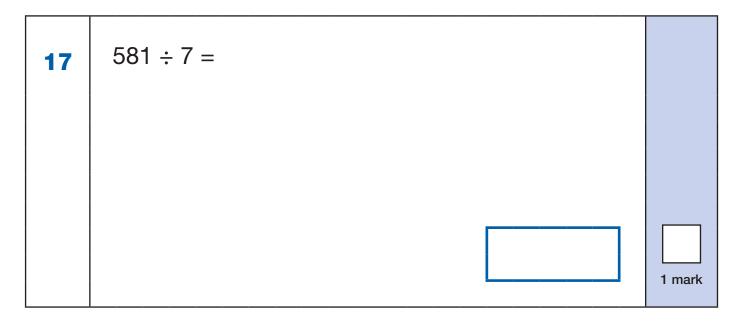


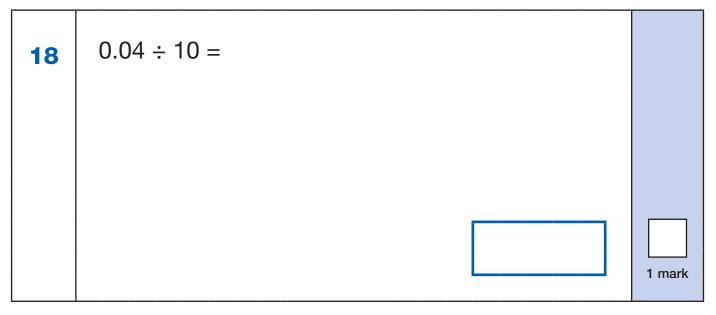






| 16 | 30 × 40 = |        |
|----|-----------|--------|
|    |           |        |
|    |           |        |
|    |           | 1 mark |





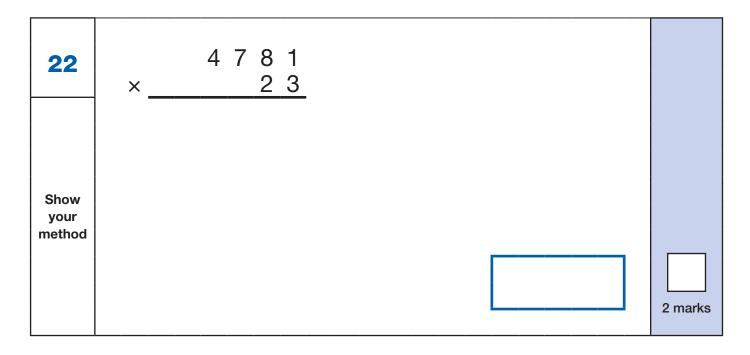


| 19 | 2,345 × 1,000 = |        |
|----|-----------------|--------|
|    |                 |        |
|    |                 |        |
|    |                 | 1 mark |

| 20                     | 17714 |         |
|------------------------|-------|---------|
| Show<br>your<br>method |       | 2 marks |

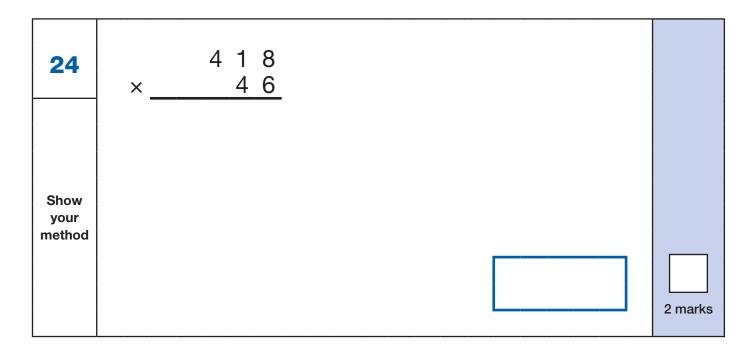


| 21 | 9 - 3.45 = |        |
|----|------------|--------|
|    |            |        |
|    |            |        |
|    |            | 1 mark |



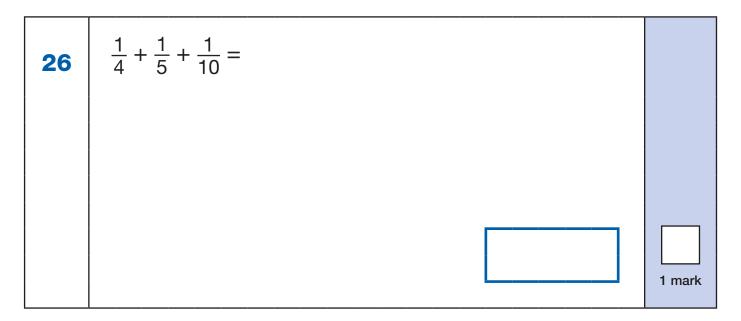


| 23 | $\frac{3}{4} - \frac{3}{8} =$ |        |
|----|-------------------------------|--------|
|    |                               | 1 mark |





| 25 | 37.8 – 14.671 = |        |
|----|-----------------|--------|
|    |                 |        |
|    |                 | 1 mark |







| 28 | $\frac{5}{8} \div 2 =$ |        |
|----|------------------------|--------|
|    |                        | 1 mark |

| 29 | 45% of 460 = |        |
|----|--------------|--------|
|    |              |        |
|    |              |        |
|    |              | 1 mark |

| 30 | $2\frac{1}{3} + \frac{5}{6} =$ |        |
|----|--------------------------------|--------|
|    |                                |        |
|    |                                |        |
|    |                                | 1 mark |



| 31 | 7% of 500 = |        |
|----|-------------|--------|
|    |             |        |
|    |             |        |
|    |             | 1 mark |



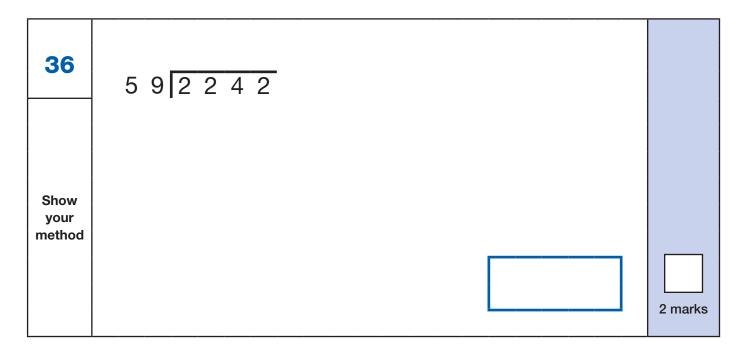


| 33 | 0.9 × 200 = |        |
|----|-------------|--------|
|    |             |        |
|    |             |        |
|    |             | 1 mark |

| 34 | 15% × 1,000 = |        |
|----|---------------|--------|
|    |               |        |
|    |               |        |
|    |               | 1 mark |



| 35 | $1\frac{1}{2} \times 57 =$ |        |
|----|----------------------------|--------|
|    |                            |        |
|    |                            |        |
|    |                            | 1 mark |





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