# Key stage 2

## Mathematics

### Paper 1: arithmetic

| First name | Al | | | | |
|---|---|---|---|---|---|
| Middle name | Gee | | | | |
| Last name | Brer | | | | |
| Date of birth | Day | Wednesday | Month | 14 | Year | |
| School name | ST Hubberts | | | | |
| DfE number | 000/0000 | | | | |

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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**.

**1**     | 6090 | $= 6,000 + 90$

**2**     | 8277 | $= 8,275 + 82$

**3**     $826 = 800 +$ | 200 | $+ 6$

H 0 0 0 6 0 A 0 4 2 0

**4**  [ 346 ] + 5 = 341

1 mark

**5**  9 × 41 =

```
      4 1
    × 9
    3 6 1
```

361

1 mark

**6**  5.87 + 3.123 =

```
5 . 8 7
3 . 1 2 3
8 . 9 9 3
```

8.99

1 mark

**7**   $180 \div 3 =$

$180 \div 3 = 6$

6

1 mark

**8**   $120 \div 12 =$

10

1 mark

**9**   $213 \times 0 =$

213

1 mark

**10**  91 ÷ 7 =

98

1 mark

**11**  65 + 87 = 87 − 65

1 mark

**12**  602 − 102 = 594

1 mark

**13**    1,210 ÷ 11 =

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

11

**14**    25.34 × 10 =

```
  2  5  .  3  4
X 1  0
  2  .  5  3  4
```

2.534

**15**    60 ÷ (30 − 24) =

```
6 0 ÷ 3 0 = 20

2 0 - 2 4 = - 4
```

-4

H 0 0 0 6 0 A 0 8 2 0

**16**  $3^3 =$

3 + 3 + 3 = 9

$9^3$

1 mark

---

**17**  $101 × 1,000 =$

101,100,0

1 mark

---

**18**  20% of 3,000 =

3 0 0 0 X 2 0

60,000

1 mark

H O O O 6 O A O 9 2 O

**19**

$7 - 2.25 =$

```
        1 1
    7   0 0
  - 2 . 2 5
    9   8 5
```

9.85

1 mark

**20**

$0.9 \div 100 =$

90

1 mark

**21**

$9 - 1.9 =$

```
9 - 1 = 8
```

8.9

1 mark

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

**22** $1\frac{3}{7} - \frac{4}{7} =$

| | | 2 |
|---|---|---|

1 mark

**23**

```
          4
        8 3 6
    ×     2 7
    5 6 9 2
  1 6 1 2 0
  2 1 7 1 2
```

**Show your method**

| 21172 |
|---|

2 marks

**24**

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

$$\boxed{\frac{3}{8}}$$

**25**

**Show your method**

```
          1  1  r  2  6
   3  7 │ 8  8  8
          3  7
          5  1
          3  7
          2  6
```

**26**  $1\frac{1}{5} + 2\frac{1}{10} =$

$3\frac{1}{2}$

1 mark

**27**  35% of 320 =

320 x 35 =
300 x 3 = 900
20 x 5 = 100

1000

1 mark

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

$\frac{7}{5}$

1 mark

**29**   51% of 900 =

9 0 0 ÷ 2 = 4 5 0

450.5

**30**

```
    3 4 6 8
×       6 2
    6 9 3 6
2 0 8 0 8 0
2 1 5 0 1 6
```

**Show your method**

215106

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

2 x 3 = 6
3 x 3 = 9

$\frac{6}{9}$

1 mark

**32** $2\frac{1}{2} - \frac{3}{4} =$

$3\frac{1}{4}$

1 mark

**33**  36% of 450 =

450%

1 mark

**34**  $1\frac{3}{4} \times 10 =$

10.75

1 mark

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

| 5 | × | 5 | 4 | 0 | = | 2 | 5 | 2 | 0 | ÷ | 2 | = | 1 | 2 | 1 | 0 |
| 6 | × | 5 | 4 | 0 | = | 3 | 0 | 2 | 4 | ÷ | 2 | = | 1 | 5 | 1 | 2 |

$$\frac{12}{15}$$

*1 mark*

---

**36**

**Show your method**

```
      1 1 7
8 3 | 8 0 5 1        3x 17 = 51
      8 0
        5 1
```

117

*2 marks*

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