

# Arithmetic tests

## Year 6

### Autumn Term

#### Guidance

These arithmetic tests produced by the Primary Maths Team include ten short 10 question arithmetic tests with answers. Please be advised that these tests are designed to assess Year 6 skills that pupils should have secured this term or earlier in KS2. Therefore, the focus is predominantly on place value, number and fractions. An arithmetic tracker is also included so that schools can track progress. It is recommended that any gaps identified through using these tests are addressed as soon as possible.



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# Test 1

# 1

$$50,000 - 4,000 =$$

A 10x10 grid with a 4x2 rectangle highlighted in the bottom right corner.

---

1 mark

# 2

$$5,632 \times 4 =$$

A 10x10 grid is shown. A rectangle is highlighted in the bottom right corner, spanning 4 units wide and 2 units high. The rectangle is located in the bottom right corner of the grid, starting from the 6th column from the left and the 8th row from the top, extending to the 10th column and the 10th row.

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1 mark

3

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

A 10x10 grid is shown. A rectangle is highlighted in the bottom right corner, spanning 4 units wide and 2 units high. The rectangle is located in the bottom right corner of the grid, with its top-left corner at the intersection of the 7th column and 8th row from the left, and its bottom-right corner at the intersection of the 10th column and 10th row from the left.

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1 mark

4

$$480 \div 60 =$$

[illegible]

---

1 mark

5

$$56.3 + 103.26 =$$

A large rectangular grid consisting of 20 columns and 10 rows of squares, intended for drawing a picture.

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1 mark

# Test 1

6

$$48 \times 100 =$$

A 10x10 grid is shown. A rectangle is highlighted in the bottom right corner, spanning 4 units in width and 3 units in height. The rectangle is located in the bottom right corner of the grid, with its top-left corner at the intersection of the 7th column and 7th row from the bottom-left, and its bottom-right corner at the intersection of the 10th column and 10th row from the bottom-left.

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1 mark

7

$$6,734 - \underline{\hspace{2cm}} = 3,211$$

A 10x10 grid is shown. A rectangle is highlighted in the bottom right corner, spanning 4 columns and 2 rows. The rectangle is defined by the intersection of the 7th, 8th, 9th, and 10th columns and the 8th and 9th rows.

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1 mark

8

$$-5 + 8 =$$

A 10x10 grid is shown. A rectangle is highlighted in the bottom right corner, spanning 4 columns and 2 rows. The grid is composed of 10 columns and 10 rows. The highlighted rectangle is located in the bottom right corner, starting from the 7th column and 8th row, and ending at the 10th column and 10th row.

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1 mark

9

$$\frac{1}{2} \times 6 =$$

A 10x10 grid is shown. A rectangle is highlighted in the bottom right corner, spanning 4 units wide and 2 units high. The rectangle is located in the bottom right corner of the grid, with its top-left corner at the intersection of the 7th column and 8th row from the left, and its bottom-right corner at the intersection of the 10th column and 10th row from the left.

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1 mark

10

$$\frac{1}{4} \text{ of } 20 =$$

A 10x10 grid is shown. A rectangle is highlighted in the bottom right corner, spanning 4 units in width and 2 units in height. The grid lines are thin and gray, while the rectangle's border is thicker and black.

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1 mark