

# Area Model Multiplication

Grade 4 | 9 problems | About 20 minutes

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Score \_\_\_\_ / 9

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**Part A: 2-digit × 1-digit** Fill in each box. Then add the boxes.

1.  $89 \times 4$

809

4

Total: \_\_\_\_\_

2.  $72 \times 8$

702

8

Total: \_\_\_\_\_

3.  $59 \times 4$

509

4

Total: \_\_\_\_\_

**Part B: 2-digit × 2-digit** Fill in each box. Then add the boxes.

4.  $34 \times 43$

304

403

Total: \_\_\_\_\_

5.  $65 \times 22$

605

202

Total: \_\_\_\_\_

6.  $29 \times 16$

209

106

Total: \_\_\_\_\_

**Part C: Draw your own** Split both numbers by place value, fill the boxes, then add.

7.  $75 \times 18$

Total: \_\_\_\_\_

8.  $87 \times 16$

Total: \_\_\_\_\_

9.  $81 \times 46$

Total: \_\_\_\_\_

# Area Model Multiplication

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**Part A: 2-digit  $\times$  1-digit** Fill in each box. Then add the boxes.

1.  $89 \times 4$

|   |     |    |
|---|-----|----|
|   | 80  | 9  |
| 4 | 320 | 36 |

Total: 356

2.  $72 \times 8$

|   |     |    |
|---|-----|----|
|   | 70  | 2  |
| 8 | 560 | 16 |

Total: 576

3.  $59 \times 4$

|   |     |    |
|---|-----|----|
|   | 50  | 9  |
| 4 | 200 | 36 |

Total: 236

**Part B: 2-digit  $\times$  2-digit** Fill in each box. Then add the boxes.

4.  $34 \times 43$

|    |       |     |
|----|-------|-----|
|    | 30    | 4   |
| 40 | 1,200 | 160 |
| 3  | 90    | 12  |

Total: 1,462

5.  $65 \times 22$

|    |       |     |
|----|-------|-----|
|    | 60    | 5   |
| 20 | 1,200 | 100 |
| 2  | 120   | 10  |

Total: 1,430

6.  $29 \times 16$

|    |     |    |
|----|-----|----|
|    | 20  | 9  |
| 10 | 200 | 90 |
| 6  | 120 | 54 |

Total: 464

**Part C: Draw your own** Split both numbers by place value, fill the boxes, then add.

7.  $75 \times 18$

|           |           |          |
|-----------|-----------|----------|
|           | <u>70</u> | <u>5</u> |
| <u>10</u> | 700       | 50       |
| <u>8</u>  | 560       | 40       |

Total: 1,350

8.  $87 \times 16$

|           |           |          |
|-----------|-----------|----------|
|           | <u>80</u> | <u>7</u> |
| <u>10</u> | 800       | 70       |
| <u>6</u>  | 480       | 42       |

Total: 1,392

9.  $81 \times 46$

|           |           |          |
|-----------|-----------|----------|
|           | <u>80</u> | <u>1</u> |
| <u>40</u> | 3,200     | 40       |
| <u>6</u>  | 480       | 6        |

Total: 3,726