

# Using Rectangles to Multiply

Complete the rectangles for each multiplication problem. Then solve.

**Example:**

$14 \times 32 = \underline{448}$

|    |                      |                    |  |
|----|----------------------|--------------------|--|
|    | 30                   | 2                  |  |
| 10 | $10 \times 30 = 300$ | $10 \times 2 = 20$ | $\begin{array}{r} 300 \\ 120 \\ 20 \\ + 8 \\ \hline 448 \end{array}$ |
| 4  | $4 \times 30 = 120$  | $2 \times 4 = 8$   |  |

1.  $17 \times 25 = \underline{\hspace{2cm}}$

|    |   |   |  |
|----|---|---|--|
|    | 20  | 5   |  |
| 10 | $10 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ | $10 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$ |  |
| —  | $7 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$  | $7 \times 5 = \underline{\hspace{1cm}}$                         |  |

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2.  $26 \times 64 =$  \_\_\_\_\_

|    |    |   |
|----|----|---|
|    | 60 | 4 |
| 20 |    |   |
| 6  |    |   |

3.  $39 \times 72 =$  \_\_\_\_\_

|    |    |   |
|----|----|---|
|    | 70 | 2 |
| 30 |    |   |
| 9  |    |   |

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**For Questions 4–9, sketch your own rectangles to represent each problem.**

**4.**  $54 \times 47 =$  \_\_\_\_\_

**5.**  $34 \times 83 =$  \_\_\_\_\_

**6.**  $92 \times 19 =$  \_\_\_\_\_

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**7.**  $44 \times 44 =$  \_\_\_\_\_

**8.**  $29 \times 89 =$  \_\_\_\_\_

**9.**  $61 \times 79 =$  \_\_\_\_\_