Name: _____   Date: _____

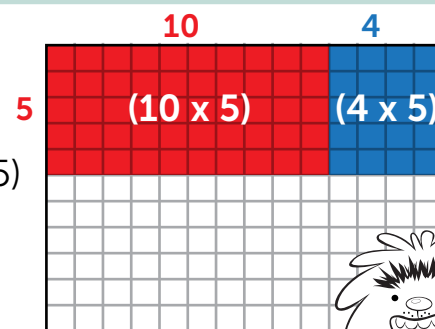# ANSWERS Distributive Property Drawings

The **distributive property** is a tool to make multiplication with larger numbers easier.

To use the distributive property: Break one factor into two addends, multiply both addends by the other factor, and add together both products.
Use a visual, such as an area model to demonstrate.

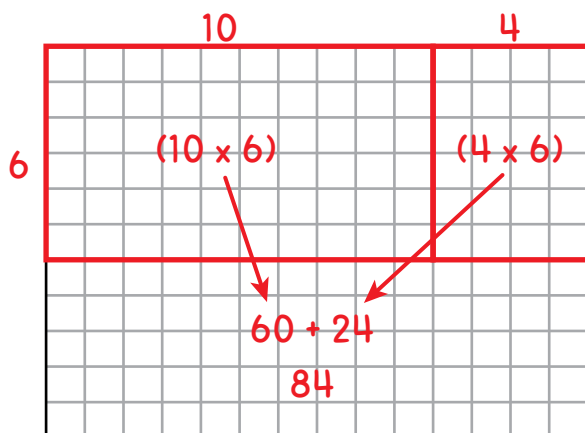Break up the bigger number into two addends

14×5
$(10 + 4) \times 5$
$(10 \times 5) + (4 \times 5)$
$50 + 30 = 70$

$14 \times 5 = 70$

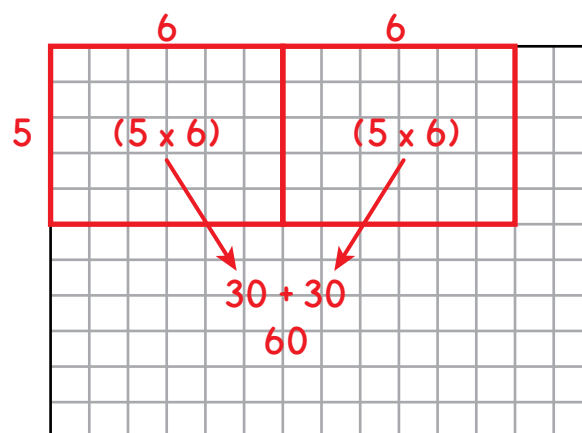|	10	4
5	(10 x 5)	(4 x 5)

Directions: *Solve each problem using the distributive property. Draw and label an area model. Write your answer on the line.* Student area models may vary
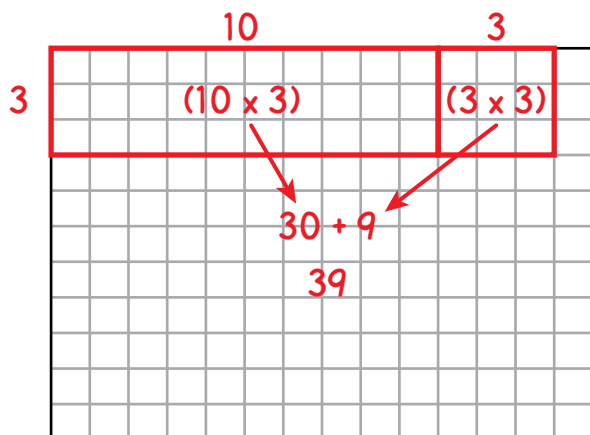
1. $14 \times 6 =$ __84__

	10	4
6	(10 x 6)	(4 x 6)

60 + 24
84

2. $5 \times 12 =$ __60__

	6	6
5	(5 x 6)	(5 x 6)

30 + 30
60

3. $3 \times 13 =$ __39__

	10	3
3	(10 x 3)	(3 x 3)

30 + 9
39

4. $4 \times 14 =$ __56__

	8	6
4	(4 x 8)	(4 x 6)

32 + 24
56