

The Break-Apart Strategy

Home Link 5-11

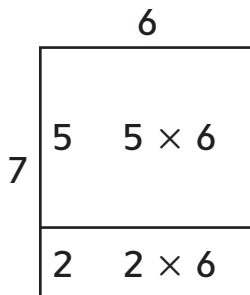
NAME _____

DATE _____

TIME _____

Family Note Today your child learned how to break apart one number in a multiplication fact in order to make two helper facts that are easier to solve. Using areas of rectangles helps to illustrate this, as in the example below.

- $7 \times 6 = ?$
- Break apart the 7 into 5 and 2.
- There are two helper facts: 5×6 and 2×6 .
- So $7 \times 6 = 5 \times 6 + 2 \times 6$
 $7 \times 6 = 30 + 12$
 $7 \times 6 = 42$



Please return this Home Link to school tomorrow.

Show one way you can solve $7 \times 9 = ?$.

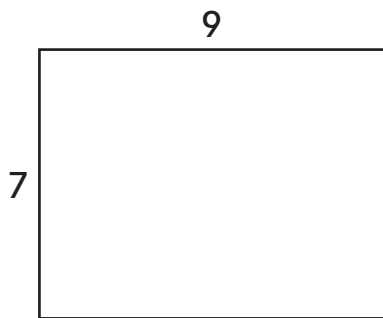


I will break apart the factor ____ into ____ and ____.

Helper facts that match the areas of the smaller rectangles:

_____ \times _____ = _____ and _____ \times _____ = _____

Drawing:



Write a number model using your helper facts:

$7 \times 9 =$ _____ \times _____ $+$ _____ \times _____

$7 \times 9 =$ _____