MY Homework
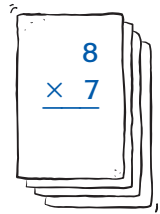
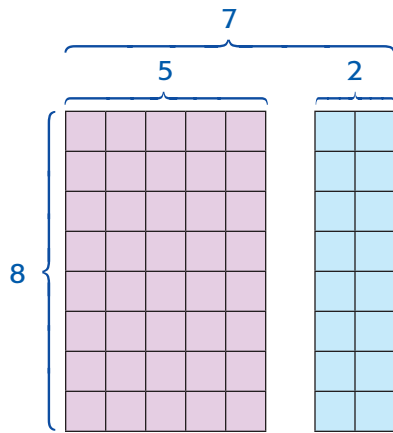**Lesson 2**

Multiply by 7

Homework Helper

eHelp

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Jared will go on vacation for 8 weeks this summer. For how many days will he be on vacation?

Find 8×7.

$$\begin{array}{r} 8 \\ \times\ 7 \\ \hline \end{array}$$

Decompose the factor 7 into the addends $5 + 2$.

$$8 \times 7 = 8 \times 5 + 8 \times 2 \quad \text{Multiply.}$$
$$= \quad 40 \quad + \quad 16 \quad \text{Add.}$$
$$= \quad\quad 56$$

Practice

Algebra Find each unknown. Decompose the factor 7 into $5 + 2$.

1. $7 \times 10 = \blacksquare$

Known facts: $5 \times 10 = \underline{\textbf{50}}$

$2 \times 10 = \underline{\textbf{20}}$

The unknown is $\underline{\textbf{70}}$.

2. $5 \times 7 = \blacksquare$

Known facts: $5 \times 5 = \underline{\textbf{25}}$

$5 \times 2 = \underline{\textbf{10}}$

The unknown is $\underline{\textbf{35}}$.

Algebra **Find each unknown. Use the Commutative Property.**

3. $7 \times 3 = \blacksquare$

$3 \times 7 = \blacksquare$

The unknown is ___**21**___ .

4. $7 \times \blacksquare = 28$

$\blacksquare \times 7 = 28$

The unknown is ___**4**___ .

5. $\blacksquare \times 7 = 49$

$7 \times \blacksquare = 49$

The unknown is ___**7**___ .

6. $7 \times \blacksquare = 14$

$\blacksquare \times 7 = 14$

The unknown is ___**2**___ .

Problem Solving

Algebra **Write a multiplication sentence with a symbol for the unknown. Then solve.**

7. **Mathematical PRACTICE** **4** **Model Math** It takes Callie 9 minutes to paint each slat on a fence. There are 7 slats in each section of the fence. How long will it take Callie to paint each section of the fence?

$9 \times 7 = \blacksquare$; **63 minutes**

8. Each house on Mulberry Street has 7 front windows. There are 3 houses on each side of the street. How many front windows are there in all?

$6 \times 7 = \blacksquare$; **42 front windows**

Test Practice

9. A bicycle shop is replacing both tires on 7 bikes. How many tires will be replaced altogether?

Ⓐ 2 tires

Ⓒ 9 tires

Ⓑ 7 tires

Ⓓ 14 tires