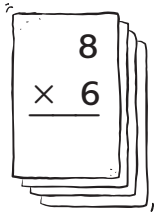
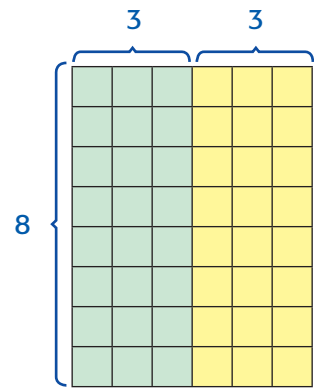


**MY Homework****Lesson 1****Multiply by 6****Homework Helper**Need help? [connectED.mcgraw-hill.com](http://connectED.mcgraw-hill.com)

Tyrone spent 8 minutes playing each level of a video game. The video game had 6 levels. How many minutes did he spend altogether playing the video game?

Find  $8 \times 6$ .Decompose 6 into two equal addends of  $3 + 3$ .6 is the double of 3. So,  $8 \times 6$  is the double of  $8 \times 3$ .

$$\begin{aligned} 8 \times 6 &= 8 \times 3 + 8 \times 3 \\ &= 24 + 24 \\ &= 48 \end{aligned}$$

So,  $8 \times 6 = 48$ .

Tyrone spent 48 minutes playing the video game.

**Practice**

Double a known fact to find each product. Draw an array.

1.  $2 \times 6 = \underline{\quad}$

2. 
$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

**Algebra** Find each unknown. Double a known fact.

3.  $5 \times \blacksquare = 30$

The unknown is \_\_\_\_\_.

4.  $\blacksquare \times 6 = 60$

The unknown is \_\_\_\_\_.

5.  $6 \times \blacksquare = 36$

The unknown is \_\_\_\_\_.

6.  $\blacksquare \times 6 = 42$

The unknown is \_\_\_\_\_.



## Problem Solving

**Mathematical PRACTICE 2** Use Algebra For Exercises 7–8, write a multiplication sentence with a symbol for the unknown. Then solve.

7. A flea has 6 legs. How many legs are there altogether on 8 fleas?

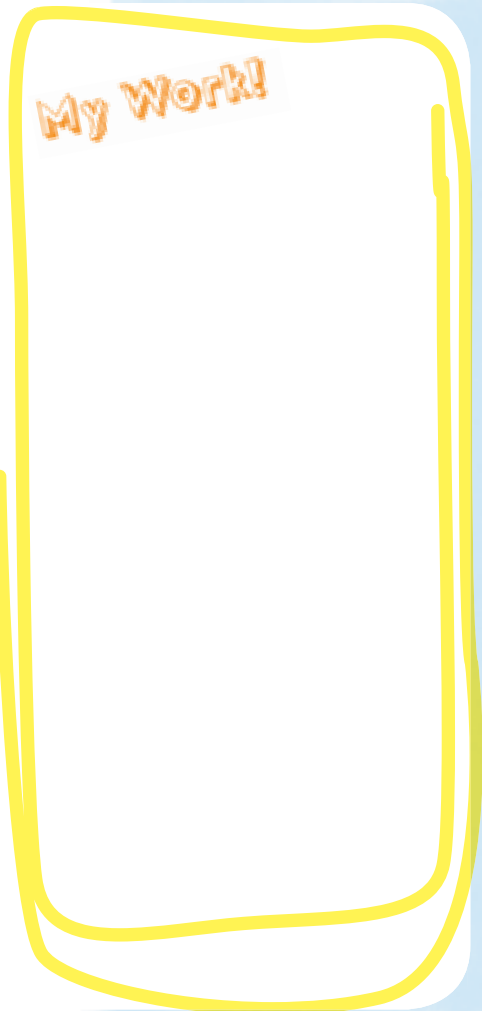
\_\_\_\_\_

8. Admission to a science museum is \$9. How much altogether will it cost for 6 people?

\_\_\_\_\_

**Mathematical PRACTICE 1** Make Sense of Problems Gina's kitten weighs 5 ounces. If the kitten gains 3 ounces every week, how many ounces will the kitten weigh in 6 weeks?

\_\_\_\_\_



## Test Practice

10. Which number sentence represents the array shown at the right?

(A)  $4 \times 6 = 24$

(C)  $4 + 6 = 10$

(B)  $3 \times 6 = 18$

(D)  $8 \times 3 = 24$

