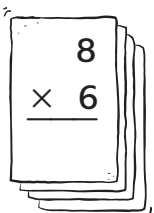
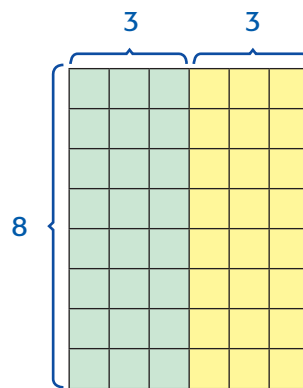


MY Homework**Lesson 1****Multiply by 6****Homework Helper**Need help? connectED.mcgraw-hill.com

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

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

So, $8 \times 6 = 48$.

Tyrone spent 48 minutes playing the video game.

Practice Sample arrays: 1, 2

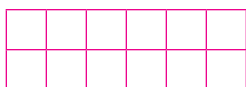
Double a known fact to find each product. Draw an array.

1. $2 \times 6 = \underline{12}$

$2 \times 3 = 6$

$2 \times 3 = 6$

$6 + 6 = 12$



2. 9

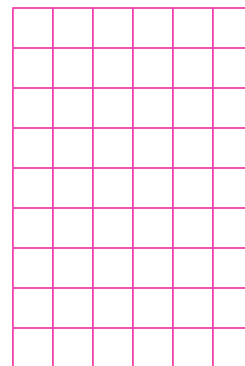
$\times 6$

$\hline 54$

$9 \times 3 = 27$

$9 \times 3 = 27$

$27 + 27 = 54$



Algebra Find each unknown. Double a known fact.

3. $5 \times \blacksquare = 30$

The unknown is 6.

4. $\blacksquare \times 6 = 60$

The unknown is 10.

5. $6 \times \blacksquare = 36$

The unknown is 6.

6. $\blacksquare \times 6 = 42$

The unknown is 7.



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?

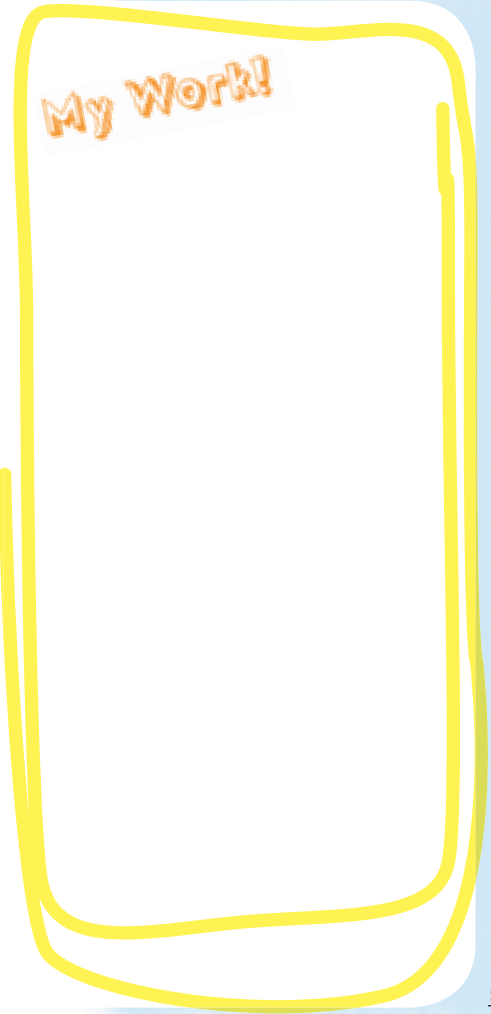
$8 \times 6 = \blacksquare; 48 \text{ legs}$

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

$\$9 \times 6 = \blacksquare; \54

- 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?

23 ounces



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) $8 \times 3 = 24$

