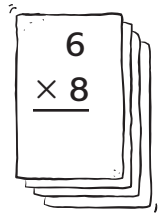
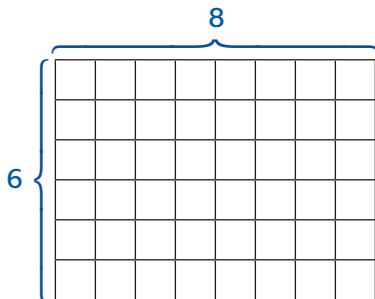


MY Homework**Lesson 4****Multiply by 8****Homework Helper**Need help? connectED.mcgraw-hill.com

Each ladybug has 6 legs. Elaine counted 8 ladybugs.
How many legs is that altogether?

Find 6×8 .**One Way** Draw an array.**Another Way** Double a known fact.Decompose the number 8 into equal addends of $4 + 4$.

$$6 \times 8 = 6 \times 4 + 6 \times 4$$

$$24 + 24 = 48$$

 $6 \times 8 = 48$. So, 8 ladybugs have 48 legs altogether.**Practice****Double a known fact to find each product.**

1. $5 \times 8 =$ _____

2. $4 \times 8 =$ _____

$5 \times$ _____ $=$ _____

$4 \times$ _____ $=$ _____

$5 \times$ _____ $=$ _____

$4 \times$ _____ $=$ _____

_____ $+$ _____ $=$ _____

_____ $+$ _____ $=$ _____

Algebra Find each unknown. Use the Commutative Property.

3. $8 \times \blacksquare = 40$

$\blacksquare \times 8 = 40$

The unknown is _____.

4. $\blacksquare \times 8 = 56$

$8 \times \blacksquare = 56$

The unknown is _____.

5. $2 \times 8 = \blacksquare$

$8 \times 2 = \blacksquare$

The unknown is _____.

6. $8 \times \blacksquare = 64$

$\blacksquare \times 8 = 64$

The unknown is _____.

Multiply.

7.
$$\begin{array}{r} 1 \\ \times 8 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$



Problem Solving

Mathematical PRACTICE



Use Symbols Write a multiplication sentence with a symbol for the unknown. Then solve.

11. There were 5 dolphins swimming around a tour boat. Each dolphin circled the boat 8 times. What is the total number of times all of the dolphins circled the boat?

12. Cameron worked 8 hours at the coffee shop. He earned the same amount in tips each hour. At the end of his shift, Cameron had \$32 in tips. How much money did he earn in tips each hour?

Test Practice

13. Stuart knows spiders have 8 legs. Which shows a known fact Stuart can double to find the number of legs on 7 spiders?

(A) $4 \times 3 = 12$

(C) $4 \times 8 = 32$

(B) $4 \times 7 = 28$

(D) $7 \times 8 = 56$