

Name _____

MY Homework

Lesson 2

Multiplication as Repeated Addition

Homework Helper



Need help? connectED.mcgraw-hill.com

Dani will put 2 forks at each of the 8 table settings. How many forks does she need in all?

Find 8 groups of 2.

Write an addition sentence to show the equal groups.

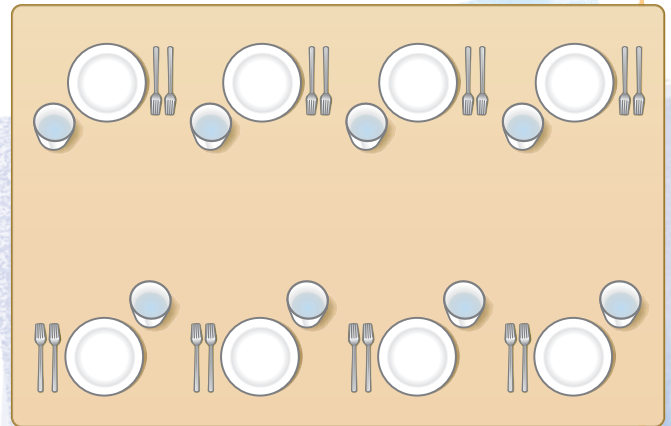
$$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$$

Write a multiplication sentence to show 8 groups of 2.

$$8 \times 2 = \square \quad \leftarrow \text{Find the unknown.}$$

$$8 \times 2 = 16$$

So, 8 groups of 2 is 16. The unknown is 16 forks.



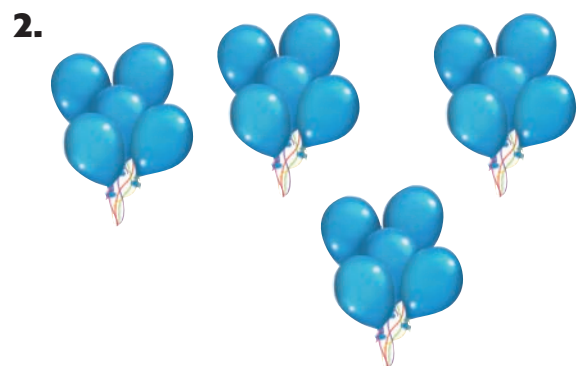
Practice

Write an addition sentence and a multiplication sentence for each.



$$6 + 6 + 6 + 6 + 6 = 30$$

$$5 \times 6 = 30$$



$$5 + 5 + 5 + 5 = 20$$

$$4 \times 5 = 20$$



Problem Solving 3-5. See students' drawings.


Draw a picture to find the total. Write a multiplication sentence.

3. 7 groups of 1 green grape

4. 9 groups of 2 square crackers

$$\underline{7} \times \underline{1} = \underline{7}$$

$$\underline{9} \times \underline{2} = \underline{18}$$

5. **Mathematical PRACTICE**  **Model Math** How many buttons does Leonora have altogether if she has 4 bags of buttons and each bag has 10 buttons?

$$\underline{4} \times \underline{10} = \underline{40 \text{ buttons}}$$

Multiply to find the unknown product.

6. $8 \times 3 = \blacksquare$

7. $4 \times 3 = \blacksquare$

The unknown is 24.

The unknown is 12.

Vocabulary Check



Use the correct word(s) and the number sentence $6 \times 8 = 48$ to solve.

equal groups repeated addition multiply factors product

8. The number 48 is the product.
9. The symbol \times tells you to multiply.
10. The numbers 6 and 8 are the factors.
11. $8 + 8 + 8 + 8 + 8 + 8 = 48$ shows repeated addition.
12. 6×8 means 6 equal groups of 8.

Test Practice

13. Sam is washing windows. There are 5 windows in each of 7 rooms. How many windows does Sam have to wash?

- (A) 2 windows (C) 30 windows
 (B) 12 windows (D) 35 windows