

# MY Homework

## Lesson 7

### Factors and Multiples

## Homework Helper



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**Find the factors of 16.**

Think of factors that result in a product of 16.

$$1 \times 16 = 16$$

$$2 \times 8 = 16$$

$$4 \times 4 = 16$$

So, the factors of 16 are 1, 2, 4, 8, and 16.

**Identify the first five multiples of 4.**

First multiple:  $0 \times 4 = 0$

Second multiple:  $1 \times 4 = 4$

Third multiple:  $2 \times 4 = 8$

Fourth multiple:  $3 \times 4 = 12$

Fifth multiple:  $4 \times 4 = 16$

So, the first five multiples of 4 are 0, 4, 8, 12, and 16.

## Practice

**Find the factors of each number.**

1. 14

\_\_\_\_\_

2. 20

\_\_\_\_\_

**Identify the first five multiples for each number.**

3. 2

\_\_\_\_\_

4. 3

\_\_\_\_\_

5. 6

\_\_\_\_\_

6. 5

\_\_\_\_\_

7. 8

\_\_\_\_\_

8. 7

\_\_\_\_\_



## Problem Solving

9. Each music class sings 8 songs a week. How many songs does each class sing in 5 weeks? 6 weeks? 7 weeks?

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10. **Mathematical PRACTICE**  **Use Math Tools** Tyra wants to arrange 32 tiles in equal rows and columns. How many ways could she organize the tiles? List the factors.

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11. Members of the marching band line up in 6 rows of 8. How many total members are there? Identify two other ways they could line up in equal rows and columns.

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## Vocabulary Check



Complete each sentence with the correct vocabulary term.

decompose

multiple

12. The number 12 is a \_\_\_\_\_ of 2, 3, and 4.

13. One way to \_\_\_\_\_ 24 is to show it as  $2 \times 12$ .

## Test Practice

14. Which set of numbers correctly shows all of the factors of 28?

- (A) 1, 2, 4, 7, 14, 28    (C) 1, 2, 7, 14, 28  
(B) 0, 1, 7, 14, 28    (D) 1, 2, 4, 7, 8, 14, 28