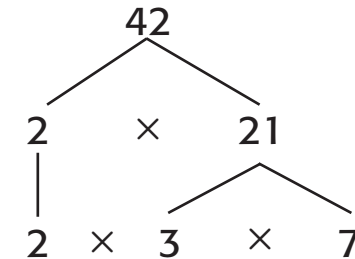


MY Homework**Lesson 1****Prime Factorization****Homework Helper**Need help? connectED.mcgraw-hill.com**Find the prime factorization of 42.**

1 You can choose any pair of whole number factors, such as 2×21 , 3×14 , or 6×7 .

2 Continue to factor any number that is not prime.

3 Write the prime factors in order from least to greatest.



The prime factorization of 42 is $2 \times 3 \times 7$.

Practice**Find the prime factorization of each number.**

1. $50 =$ _____

2. $81 =$ _____

3. $65 =$ _____


4. $28 =$ _____



Problem Solving

5. Britney scored an 85 on her last math test. Write the prime factorization of 85.

6. Priscilla has 56 stickers in her collection. Write the prime factorization of 56.

7. **Mathematical PRACTICE**  **Find the Error** Lainey wrote the prime factorization of 60 as $2 \times 5 \times 6$. Is she correct? If not, what is the prime factorization of 60? Explain.

Vocabulary Check



Fill in each blank with the correct term or number to complete the sentence.

8. _____ numbers can be written as a product of _____ factors. This is called the prime factorization of a number.

Test Practice

9. Josiah had a pot belly pig as a pet that weighed 46 pounds. What is the prime factorization of 46?

- (A) 2×23 (C) $2 \times 2 \times 13$
(B) $2 \times 2 \times 11$ (D) 3×23

