

Lesson 1 Reteach

Prime Factorization

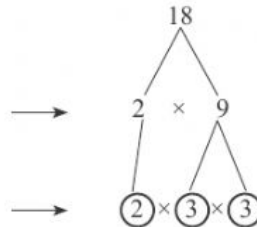
All composite numbers can be written as a product of prime numbers.
This is called *prime factorization*. A factor tree can be used to write the prime factorization of a number.

Find the prime factorization of 18.

Choose any pair of whole number factors of 18.

Continue until all factors are prime numbers.

Circle the prime numbers.



The prime factorization of 18 is $2 \times 3 \times 3$.

You can work backward to check the prime factorization.

Multiply. $2 \times 3 \times 3 = 6 \times 3 = 18$

Find the prime factorization of each number.

1. 24 _____

2. 18 _____

3. 36 _____

4. 32 _____

5. 35 _____

6. 50 _____

7. 45 _____

8. 8 _____

9. 30 _____

10. 60 _____

11. 12 _____

12. 15 _____