## **LESSON** Dividing Fractions

## Review for Mastery: Greatest Common Factor

The greatest common factor, or GCF, is the largest number that is the factor of any set of at least two numbers.

You can use prime factorization to find the GCF of two or more numbers.

To find the GCF of 18 and 24, first write the prime factorization of each number. Then identify the common prime factors.

Next, find the product of the common prime factors.

$$2 \cdot 3 = 6$$

The GCF of 18 and 24 is 6.

## Find the GCF of each set of numbers.

- 1. 32 and 48
  - 32 = \_\_\_\_\_
  - 48 = \_\_\_\_\_
- 2. 45 and 81
  - 45 = \_\_\_\_
  - 81 = \_\_\_\_\_
- 3. 18 and 36
  - 18 = \_\_\_\_\_
  - 36 =

- 4. 14 and 35
  - 14 = \_\_\_\_\_
  - 35 =
- 42 =

5. 42 and 72

- 72 =
- 6. 56 and 64
  - 56 = \_\_\_\_
  - 64 = \_\_\_\_

- 7. 28, 56, and 84
  - 28 =
  - 56 = \_\_\_\_\_
  - 84 = \_\_\_\_\_
- 8. 30, 45, and 75
  - 30 = \_\_\_\_\_
  - 45 = \_\_\_\_
  - 75 = \_\_\_\_\_
- 9. 36, 45, and 54
  - 36 = \_\_\_\_\_
  - 45 = \_\_\_\_
  - 54 = \_\_\_\_

Then write the prime factorization, using expensive where Use a factor tree to find the prime factors of each number.

Defermine whether each mamper is prime or composite.

notivations anima Religious factorization

2.63

Class

021 1

possiple,

Marne