

## Finding Equivalent Fractions

$$\frac{4}{10}$$

### Method 1: Multiplying by a form of 1

1. Choose a whole number greater than 1. Small numbers are easiest.

② Any number will work.

2. Multiply both the numerator and the denominator of the fraction by the chosen number. Write the products as a fraction.

$$\frac{4}{10} \times \left(\frac{2}{2}\right) = \boxed{\frac{8}{20} = \text{equivalent to } \frac{4}{10}}$$

→ form of 1

### Method 2: Dividing by a form of 1

1. Determine if the fraction is in simplest form by looking for common factors of the numerator and denominator. If there are no common factors greater than 1, use Method 1.

$\frac{4}{10}$  not in simplest form because both have 2 as a factor.

2. Choose a whole number greater than 1 that is a common factor of both the numerator and the denominator.

2 is a factor of both 4 and 10

3. Divide both the numerator and the denominator of the fraction by the chosen number. Write the quotients as a fraction.

$$\frac{4}{10} \div \left(\frac{2}{2}\right) = \boxed{\frac{2}{5} = \text{equivalent to } \frac{4}{10}}$$

→ form of 1