

# Multiplication

Multiplying or dividing the numerator and denominator of a fraction by the same number does not change the value of the fraction.

Example:  $\frac{1}{2} = \frac{2}{4}$

$$\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$$

If the numerator and denominator of the first fraction are both multiplied by 2, the answer is an equivalent fraction.

$$\frac{2 \div 2}{4 \div 2} = \frac{1}{2}$$

If the numerator and denominator of the first fraction are both divided by 2, the answer is an equivalent fraction.