

# Dividing Simple Fractions

To divide a fraction, you just multiply the first fraction by the reciprocal of the second fraction or number. The reciprocal is found by switching the numerator and denominator of the fraction.

**Example:** Find the quotient of  $\frac{6}{8}$  and  $\frac{3}{4}$

**Solution:**  $\frac{6}{8} \div \frac{3}{4} = \frac{6}{8} \times \frac{3}{4}$  Change the division sign to multiplication and get the reciprocal of the divisor only.

**Always make sure to write the dividend and divisor in fraction form.**

**Then, simplify your answer to its lowest terms using the cancellation method.**

**Example:**  $\frac{2}{8} \times \frac{4}{3}$  Apply cancellation method

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

**Multiply the numerators and then denominators**