

Multiplying and Dividing of Rational Numbers.

Rule: When **multiplying or dividing fractions** one must first make **improper fractions** for any mixed numbers.

**Example 1**

$$7\frac{1}{3} \cdot \frac{4}{11} \div \frac{8}{9}$$

**Example 2**

$$\frac{2}{5} \left(-8\frac{1}{3}\right) \cdot 2\frac{1}{4} \div 3\frac{1}{3}$$

**Example 3**

$$2\frac{2}{3} \left(-1\frac{1}{2}\right) \div 3\frac{1}{4} \left(-5\frac{1}{2}\right)$$

**Example 4**

$$-10\frac{1}{2} - 2\frac{3}{7} \div 5\frac{2}{3} 3\frac{1}{3}$$

**Example 5**

$$6\frac{1}{2} \div \left(-3\frac{1}{4}\right) \cdot 1\frac{1}{8} \left(-2\frac{2}{3}\right)$$

**Example 6**

$$\left(-4\frac{2}{3}\right) \div \left(-3\frac{1}{2}\right) \cdot 1\frac{1}{5}$$