

Multiplying and Dividing Fractions

Directions: Multiply or Divide and write each answer in simplest form.

1. $\frac{5}{12} \cdot \frac{3}{20}$

2. $\frac{3}{2} \left(-\frac{8}{9} \right)$

3. $-4 \left(\frac{7}{12} \right)$

$$4. -1\frac{3}{8} \times 4\frac{2}{7}$$

$$5. -\frac{3}{4} \cdot -\frac{7}{15} \cdot \frac{3}{5}$$

$$6. 3\left(-\frac{5}{6}\right)2\frac{2}{3}$$

$$7. \frac{8}{3} + \frac{5}{12} \left(-\frac{8}{7} \right)$$

$$8. -\frac{4x}{7} \left(\frac{-3x}{18} \right)$$

$$9. -\frac{7x^5}{12} \cdot \frac{5x}{49}$$

10. $-\frac{8x^2y}{5} \cdot \frac{35xy}{16}$

11. $-\frac{2}{3} \div \frac{8}{9}$

$$12. -1\frac{5}{8} \div 4\frac{7}{12}$$

$$13. 1\frac{1}{15} \div 12 \cdot 3\frac{1}{4}$$

$$14. \frac{a^3}{2} \div \frac{11}{2a}$$

$$15. -\frac{12m^3}{5} \div \frac{3}{20m^2}$$