

Multiplying and Dividing Fractions

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

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

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

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

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

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

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

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

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

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

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

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