

Multiply and Divide Positive and Negative Fractions



Directions: Find each product or quotient. Write your answer in simplest form.

1. $\frac{2}{3} \cdot \left(-\frac{1}{5}\right)$ $-\frac{2}{15}$	2. $\frac{2}{9} \div \frac{3}{4}$ $\frac{8}{27}$	3. $-\frac{3}{8} \cdot \frac{7}{8}$ $-\frac{21}{64}$
4. $-\frac{5}{6} \div \frac{1}{3}$ $-\frac{5}{2}$ or $-2\frac{1}{2}$	5. $-\frac{7}{8} \cdot \frac{4}{5}$ $-\frac{7}{10}$	6. $-\frac{4}{9} \cdot \left(-\frac{1}{3}\right)$ $\frac{4}{27}$
7. $-\frac{5}{12} \div \left(-\frac{1}{10}\right)$ $\frac{25}{6}$ or $4\frac{1}{6}$	8. $\frac{6}{7} \cdot \left(-\frac{2}{3}\right)$ $-\frac{4}{7}$	9. $-\frac{3}{4} \div \left(-\frac{5}{8}\right)$ $\frac{6}{5}$ or $1\frac{1}{5}$
10. $\frac{6}{7} \div \left(-\frac{3}{10}\right)$ $-\frac{20}{7}$ or $-2\frac{6}{7}$	11. $-\frac{5}{8} \div \left(-\frac{1}{2}\right)$ $\frac{5}{4}$ or $1\frac{1}{4}$	12. $-\frac{3}{10} \cdot \frac{5}{6}$ $-\frac{1}{4}$
13. $-\frac{3}{8} \cdot \frac{2}{9}$ $-\frac{1}{12}$	14. $-\frac{4}{9} \div \frac{1}{12}$ $-\frac{16}{3}$ or $-5\frac{1}{3}$	15. $\frac{8}{15} \cdot \left(-\frac{5}{6}\right)$ $-\frac{4}{9}$