

SKILL

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Skills Readiness**Multiply and Divide Fractions****General Operation Reminders**

Multiplying Fractions	Dividing Fractions
<p>Step 1: Multiply the numerators. Multiply the denominators.</p> <p>Step 2: Write the answer in simplest form. Divide by the greatest common factor if needed.</p>	<p>Step 1: Find the reciprocal of the divisor (the second fraction) and rewrite the problem as a multiplication problem.</p> <p>Step 2: Multiply the numerators. Multiply the denominators.</p> <p>Step 3: Write the answer in simplest form. Divide by the greatest common factor if needed.</p>
<p>Example 1: Multiply $\frac{2}{5} \times \frac{3}{4}$.</p> <p>$\frac{2}{5} \times \frac{3}{4} = \frac{2 \times 3}{5 \times 4} = \frac{6}{20}$ GCF of 6 and 20 is 2.</p> <p>$\frac{6}{20} = \frac{6 \div 2}{20 \div 2} = \frac{3}{10}$. The product is $\frac{3}{10}$.</p>	<p>Example 2: Divide $\frac{1}{6} \div \frac{3}{4}$.</p> <p>$\frac{1}{6} \div \frac{3}{4} = \frac{1}{6} \times \frac{4}{3} = \frac{4}{18}$ GCF of 4 and 18 is 2.</p> <p>$\frac{4}{18} = \frac{4 \div 2}{18 \div 2} = \frac{2}{9}$. The product is $\frac{2}{9}$.</p>

Practice on Your Own

Multiply or divide. Give your answer in simplest form.

1. $\frac{4}{5} \times \frac{1}{3}$

2. $\frac{3}{4} \div \frac{1}{4}$

3. $\frac{2}{9} \times \frac{1}{2}$

4. $\frac{3}{5} \div \frac{2}{5}$

5. $\frac{4}{7} \times \frac{1}{4}$

6. $\frac{4}{11} \div 4$

7. $\frac{9}{10} \times 5$

8. $8 \div \frac{4}{3}$

Check

Multiply or divide. Give your answer in simplest form.

9. $\frac{1}{9} \times \frac{1}{2}$

10. $\frac{2}{5} \div \frac{3}{5}$

11. $\frac{5}{8} \times \frac{4}{7}$

12. $\frac{9}{11} \div \frac{1}{11}$

13. $\frac{7}{12} \times \frac{1}{7}$

14. $\frac{6}{7} \div 6$

15. $\frac{3}{4} \times 2$

16. $12 \div \frac{4}{5}$
