



Multiplying and Dividing Fractions

Name: _____

Date: _____

Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. The _____ of two fractions is the result when you multiply them.
2. The reciprocal of $\frac{3}{4}$ is _____.
3. The reciprocal of 5 written as a fraction is _____.
4. Reducing $\frac{8}{12}$ to _____ means dividing numerator and denominator by their GCF.
5. _____ lets you divide a numerator and a denominator by a common factor before multiplying.
6. $\frac{2}{3} \times \frac{3}{4} =$ _____ after cross-cancelling the 3s.
7. To divide by a fraction, multiply by its _____.
8. The product of $\frac{5}{8} \times \frac{4}{5}$ in simplest form is _____.
9. When a fraction is in _____, its numerator and denominator share no common factor other than 1.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

$\frac{2}{3} \times \frac{3}{5}$	→ _____	$\frac{2}{9}$
$\frac{4}{7} \times \frac{7}{8}$	→ _____	$\frac{1}{4}$
$\frac{1}{2} \times \frac{4}{9}$	→ _____	$\frac{2}{5}$
$\frac{5}{6} \times \frac{3}{10}$	→ _____	$\frac{1}{2}$

Answer Key · Multiplying and Dividing Fractions · Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. The **product** of two fractions is the result when you multiply them.
2. The reciprocal of $\frac{3}{4}$ is $\frac{4}{3}$.
3. The reciprocal of 5 written as a fraction is $\frac{1}{5}$.
4. Reducing $\frac{8}{12}$ to **simplest form** means dividing numerator and denominator by their GCF.
5. **Cross-cancellation** lets you divide a numerator and a denominator by a common factor before multiplying.
6. $\frac{2}{3} \times \frac{3}{4} = \frac{1}{2}$ after cross-cancelling the 3s.
7. To divide by a fraction, multiply by its **reciprocal**.
8. The product of $\frac{5}{8} \times \frac{4}{5}$ in simplest form is $\frac{1}{2}$.
9. When a fraction is in **simplest form**, its numerator and denominator share no common factor other than 1.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

$\frac{2}{3} \times \frac{3}{5}$	→ <u>$\frac{2}{5}$</u>	$\frac{2}{9}$
$\frac{4}{7} \times \frac{7}{8}$	→ <u>$\frac{1}{2}$</u>	$\frac{1}{4}$
$\frac{1}{2} \times \frac{4}{9}$	→ <u>$\frac{2}{9}$</u>	$\frac{2}{5}$
$\frac{5}{6} \times \frac{3}{10}$	→ <u>$\frac{1}{4}$</u>	$\frac{1}{2}$