



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. Before multiplying $\frac{4}{9} \times \frac{3}{8}$, you can cancel the common factor _____ from 3 and 9.
2. $\frac{4}{9} \times \frac{3}{8}$ simplified is _____.
3. $\frac{7}{12} \times \frac{4}{7} =$ _____ after cross-cancelling the 7s.
4. $\frac{6}{11} \times \frac{11}{18} =$ _____ after cancelling 11 and simplifying.
5. $\frac{9}{10} \times \frac{5}{12} =$ _____ in simplest form.
6. $\frac{8}{15} \times \frac{5}{6} =$ _____ in simplest form.
7. Cross-cancellation works because dividing a numerator and a denominator by the same number does not change the _____.
8. $\frac{3}{14} \times \frac{7}{9} =$ _____ in simplest form.
9. $\frac{10}{21} \times \frac{7}{15} =$ _____ in simplest form.

Part B: Matching

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

1. Match each item to its correct answer.

$\frac{3}{10} \times \frac{5}{9}$	→ _____	$\frac{1}{10}$
$\frac{8}{9} \times \frac{3}{4}$	→ _____	$\frac{1}{12}$
$\frac{5}{12} \times \frac{6}{25}$	→ _____	$\frac{2}{3}$
$\frac{2}{9} \times \frac{3}{8}$	→ _____	$\frac{1}{6}$

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. Before multiplying $\frac{4}{9} \times \frac{3}{8}$, you can cancel the common factor 3 from 3 and 9.
2. $\frac{4}{9} \times \frac{3}{8}$ simplified is $\frac{1}{6}$.
3. $\frac{7}{12} \times \frac{4}{7} = \frac{1}{3}$ after cross-cancelling the 7s.
4. $\frac{6}{11} \times \frac{11}{18} = \frac{1}{3}$ after cancelling 11 and simplifying.
5. $\frac{9}{10} \times \frac{5}{12} = \frac{3}{8}$ in simplest form.
6. $\frac{8}{15} \times \frac{5}{6} = \frac{4}{9}$ in simplest form.
7. Cross-cancellation works because dividing a numerator and a denominator by the same number does not change the value.
8. $\frac{3}{14} \times \frac{7}{9} = \frac{1}{6}$ in simplest form.
9. $\frac{10}{21} \times \frac{7}{15} = \frac{2}{9}$ in simplest form.

Part B: Matching

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

1. Match each item to its correct answer.

$\frac{3}{10} \times \frac{5}{9}$	→ <u>$\frac{1}{6}$</u>	$\frac{1}{10}$
$\frac{8}{9} \times \frac{3}{4}$	→ <u>$\frac{2}{3}$</u>	$\frac{1}{12}$
$\frac{5}{12} \times \frac{6}{25}$	→ <u>$\frac{1}{10}$</u>	$\frac{2}{3}$
$\frac{2}{9} \times \frac{3}{8}$	→ <u>$\frac{1}{12}$</u>	$\frac{1}{6}$