



# 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

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### Part A: Fill in the Blank

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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

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