



# 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 reciprocal of  $\frac{7}{8}$  is \_\_\_\_\_ .
2.  $\frac{3}{4} \div \frac{1}{2} = \frac{3}{4} \times \frac{2}{1} =$  \_\_\_\_\_ .
3.  $\frac{5}{9} \div \frac{5}{6} = \frac{5}{9} \times \frac{6}{5} =$  \_\_\_\_\_ .
4. Dividing by  $\frac{1}{4}$  is the same as multiplying by \_\_\_\_\_ .
5.  $\frac{7}{10} \div \frac{7}{20} = \frac{7}{10} \times \frac{20}{7} =$  \_\_\_\_\_ .
6.  $\frac{2}{5} \div \frac{4}{15} = \frac{2}{5} \times \frac{15}{4} =$  \_\_\_\_\_ as a mixed number.
7. A number multiplied by its reciprocal always equals \_\_\_\_\_ .
8.  $\frac{3}{8} \div \frac{3}{4} = \frac{3}{8} \times \frac{4}{3} =$  \_\_\_\_\_ .
9. The reciprocal of 6 written as a fraction is \_\_\_\_\_ .

## Part B: Matching

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

1. Match each item to its correct answer.

$\frac{4}{5} \div \frac{2}{5}$	→ _____	$\frac{1}{2}$
$\frac{3}{7} \div \frac{9}{14}$	→ _____	$\frac{2}{3}$
$\frac{1}{3} \div \frac{2}{9}$	→ _____	$1\frac{1}{2}$
$\frac{5}{8} \div \frac{5}{4}$	→ _____	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 reciprocal of  $\frac{7}{8}$  is  $\frac{8}{7}$ .
2.  $\frac{3}{4} \div \frac{1}{2} = \frac{3}{4} \times \frac{2}{1} = 1\frac{1}{2}$ .
3.  $\frac{5}{9} \div \frac{5}{6} = \frac{5}{9} \times \frac{6}{5} = \frac{2}{3}$ .
4. Dividing by  $\frac{1}{4}$  is the same as multiplying by  $4$ .
5.  $\frac{7}{10} \div \frac{7}{20} = \frac{7}{10} \times \frac{20}{7} = 2$ .
6.  $\frac{2}{5} \div \frac{4}{15} = \frac{2}{5} \times \frac{15}{4} = 1\frac{1}{2}$  as a mixed number.
7. A number multiplied by its reciprocal always equals  $1$ .
8.  $\frac{3}{8} \div \frac{3}{4} = \frac{3}{8} \times \frac{4}{3} = \frac{1}{2}$ .
9. The reciprocal of 6 written as a fraction is  $\frac{1}{6}$ .

### Part B: Matching

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

1. Match each item to its correct answer.

$\frac{4}{5} \div \frac{2}{5}$	→ $2$	$\frac{1}{2}$
$\frac{3}{7} \div \frac{9}{14}$	→ $\frac{2}{3}$	$\frac{2}{3}$
$\frac{1}{3} \div \frac{2}{9}$	→ $1\frac{1}{2}$	$1\frac{1}{2}$
$\frac{5}{8} \div \frac{5}{4}$	→ $\frac{1}{2}$	$2$