



Multiplying and Dividing Fractions

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: $9 \div \frac{1}{3} = 3$ because you divide 9 by 3.

Rewrite: _____

2. Fix the sentence: The reciprocal of $\frac{2}{7}$ is $\frac{2}{7}$ because flipping it gives the same fraction.

Rewrite: _____

3. Fix the sentence: $10 \div \frac{1}{5} = 2$ because 10 divided by 5 is 2.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. $7 \div \frac{1}{2} =$ _____

2. The reciprocal of $\frac{4}{9}$ is _____.

3. $12 \div \frac{1}{3} =$ _____

4. $\frac{1}{8} \div 5 =$ _____

Part C: Short Answer

Answer each question in one or two complete sentences.

1. A shelf is 6 feet long. Each book takes up $\frac{1}{4}$ foot. How many books fit on the shelf? Explain.

2. Explain in your own words what a reciprocal is and give one example.

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: $9 \div \frac{1}{3} = 3$ because you divide 9 by 3.

Rewrite: $9 \div \frac{1}{3} = 27$ because you multiply 9 by the reciprocal $\frac{3}{1}$.

2. Fix the sentence: The reciprocal of $\frac{2}{7}$ is $\frac{2}{7}$ because flipping it gives the same fraction.

Rewrite: The reciprocal of $\frac{2}{7}$ is $\frac{7}{2}$ because you swap the numerator and denominator.

3. Fix the sentence: $10 \div \frac{1}{5} = 2$ because 10 divided by 5 is 2.

Rewrite: $10 \div \frac{1}{5} = 50$ because you multiply 10 by the reciprocal $\frac{5}{1}$.

Part B: Fill in the Blank

Write the missing word or number on each line.

1. $7 \div \frac{1}{2} = \underline{14}$

2. The reciprocal of $\frac{4}{9}$ is $\underline{\frac{9}{4}}$.

3. $12 \div \frac{1}{3} = \underline{36}$

4. $\frac{1}{8} \div 5 = \underline{\frac{1}{40}}$

Part C: Short Answer

Answer each question in one or two complete sentences.

1. A shelf is 6 feet long. Each book takes up $\frac{1}{4}$ foot. How many books fit on the shelf? Explain.

$6 \div \frac{1}{4} = 24$ books, because each foot holds 4 books and $6 \times 4 = 24$.

2. Explain in your own words what a reciprocal is and give one example.

A reciprocal is the fraction you get by flipping the numerator and denominator. The reciprocal of $\frac{3}{5}$ is $\frac{5}{3}$.
