



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: $\frac{2}{3} \times \frac{3}{4} = \frac{6}{12}$ and that is already in simplest form.

Rewrite: _____

2. Fix the sentence: $\frac{1}{2} \times \frac{1}{3} = \frac{2}{5}$ because you add the numerators and denominators.

Rewrite: _____

3. Fix the sentence: $7 \times \frac{1}{4} = \frac{7}{28}$ because you multiply 7 by the denominator too.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. $\frac{3}{5} \times \frac{5}{6}$ simplified is _____.

2. $4 \times \frac{2}{7}$ as a mixed number is _____.

3. $\frac{1}{4} \times \frac{2}{3} =$ _____.

4. $6 \times \frac{3}{8}$ simplified is _____.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why is the product of two proper fractions always less than either fraction?

2. A runner covers $\frac{3}{4}$ of a mile in one lap. After 2 laps, how far has the runner gone? Show your work.

Part A: Fix the Sentence

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

1. Fix the sentence: $\frac{2}{3} \times \frac{3}{4} = \frac{6}{12}$ and that is already in simplest form.

Rewrite: $\frac{2}{3} \times \frac{3}{4} = \frac{6}{12} = \frac{1}{2}$ after simplifying by dividing both by 6.

2. Fix the sentence: $\frac{1}{2} \times \frac{1}{3} = \frac{2}{5}$ because you add the numerators and denominators.

Rewrite: $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$ because you multiply the numerators and multiply the denominators.

3. Fix the sentence: $7 \times \frac{1}{4} = \frac{7}{28}$ because you multiply 7 by the denominator too.

Rewrite: $7 \times \frac{1}{4} = \frac{7}{4} = 1 \frac{3}{4}$ because you multiply only the numerator by 7.

Part B: Fill in the Blank

Write the missing word or number on each line.

1. $\frac{3}{5} \times \frac{5}{6}$ simplified is $\frac{1}{2}$.

2. $4 \times \frac{2}{7}$ as a mixed number is $1 \frac{1}{7}$.

3. $\frac{1}{4} \times \frac{2}{3} = \frac{1}{6}$.

4. $6 \times \frac{3}{8}$ simplified is $2 \frac{1}{4}$.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why is the product of two proper fractions always less than either fraction?

Each fraction is less than 1, so multiplying by it takes only a part of the other fraction, making the product smaller.

2. A runner covers $\frac{3}{4}$ of a mile in one lap. After 2 laps, how far has the runner gone? Show your work.

$2 \times \frac{3}{4} = \frac{6}{4} = 1 \frac{1}{2}$ miles.