



# 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:  $3 \times \frac{2}{5} = \frac{6}{15}$  because you multiply both the numerator and denominator by 3.

Rewrite: \_\_\_\_\_

2. Fix the sentence:  $4 \times \frac{3}{8} = \frac{12}{8} = \frac{3}{2} = 2\frac{1}{2}$ .

Rewrite: \_\_\_\_\_

3. Fix the sentence:  $5 \times \frac{1}{6} = \frac{5}{30}$  because you multiply 5 by both 1 and 6.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

1.  $2 \times \frac{3}{7} =$  \_\_\_\_\_

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

3.  $3 \times \frac{4}{9}$  simplified is \_\_\_\_\_.

4.  $5 \times \frac{2}{3}$  as a mixed number is \_\_\_\_\_.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain why  $4 \times \frac{2}{5}$  equals  $\frac{8}{5}$  and not  $\frac{8}{20}$ .

\_\_\_\_\_  
\_\_\_\_\_

2. A recipe uses  $\frac{1}{3}$  cup of oil. If you triple the recipe, how much oil do you need?

\_\_\_\_\_  
\_\_\_\_\_

**Part A: Fix the Sentence**

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

1. Fix the sentence:  $3 \times \frac{2}{5} = \frac{6}{15}$  because you multiply both the numerator and denominator by 3.

Rewrite:  $3 \times \frac{2}{5} = \frac{6}{5} = 1\frac{1}{5}$  because you multiply only the numerator by 3.

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2. Fix the sentence:  $4 \times \frac{3}{8} = \frac{12}{8} = \frac{3}{2} = 2\frac{1}{2}$ .

Rewrite:  $4 \times \frac{3}{8} = \frac{12}{8} = \frac{3}{2} = 1\frac{1}{2}$ .

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3. Fix the sentence:  $5 \times \frac{1}{6} = \frac{5}{30}$  because you multiply 5 by both 1 and 6.

Rewrite:  $5 \times \frac{1}{6} = \frac{5}{6}$  because you multiply only the numerator 1 by 5.

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**Part B: Fill in the Blank**

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Write the missing word or number on each line.

1.  $2 \times \frac{3}{7} = \frac{6}{7}$  \_\_\_\_\_

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

3.  $3 \times \frac{4}{9}$  simplified is  $1\frac{1}{3}$  \_\_\_\_\_.

4.  $5 \times \frac{2}{3}$  as a mixed number is  $3\frac{1}{3}$  \_\_\_\_\_.

**Part C: Short Answer**

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Answer each question in one or two complete sentences.

1. Explain why  $4 \times \frac{2}{5}$  equals  $\frac{8}{5}$  and not  $\frac{8}{20}$ .

*You only multiply the numerator by the whole number, so  $4 \times 2 = 8$  over the same denominator 5.*

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2. A recipe uses  $\frac{1}{3}$  cup of oil. If you triple the recipe, how much oil do you need?

*You need  $3 \times \frac{1}{3} = 1$  cup of oil.*

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