

# Multiplying Fractions by Whole Numbers Worksheet - Answer Key

4th Grade - multiplying a fraction by a whole number | 15 minutes

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**Multiply each fraction by the whole number. Multiply the top number; keep the bottom number.**

Example:  $3 \times \frac{1}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$ .

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

**Answer:  $\frac{3}{4}$**

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

**Answer:  $\frac{2}{3}$**

3.  $4 \times \frac{1}{5} =$

**Answer:  $\frac{4}{5}$**

4.  $3 \times \frac{2}{5} =$

**Answer:  $\frac{6}{5} = 1 \frac{1}{5}$**

5.  $5 \times \frac{1}{2} =$

**Answer:  $\frac{5}{2} = 2 \frac{1}{2}$**

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

**Answer:  $\frac{6}{4} = 1 \frac{1}{2}$**

7.  $6 \times \frac{1}{6} =$

**Answer:  $\frac{6}{6} = 1$**

8.  $4 \times \frac{2}{3} =$

**Answer:  $\frac{8}{3} = 2 \frac{2}{3}$**

## Challenge

9. A recipe uses  $\frac{1}{3}$  cup of sugar. How much is needed for 4 batches?

**Answer:  $4 \times \frac{1}{3} = \frac{4}{3} = 1 \frac{1}{3}$  cups**

10. Why does the denominator stay the same when you multiply  $3 \times \frac{1}{4}$ ?

**Answer: You are adding three pieces that are each one fourth; the size of the piece doesn't change.**