



Multiplying Fractions by Whole Numbers

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. A cookie recipe uses $\frac{3}{4}$ cup of sugar per batch. Lin makes 4 batches on Monday and 2 more batches on Tuesday. How much sugar does she use in all?

- A) $\frac{9}{4}$ cups, which is $2\frac{1}{4}$ cups
- B) $\frac{18}{4}$ cups, which is $4\frac{1}{2}$ cups
- C) $\frac{6}{4}$ cups, which is $1\frac{1}{2}$ cups
- D) $\frac{12}{4}$ cups, which is 3 cups

2. Each lap around a track is $\frac{2}{5}$ mile. If Aaron runs 7 laps and Beth runs 3 laps, how many miles do they run together?

- A) $\frac{20}{5}$ miles, which is 4 miles
- B) $\frac{10}{5}$ miles, which is 2 miles
- C) $\frac{7}{5}$ miles, which is $1\frac{2}{5}$ miles
- D) $\frac{15}{5}$ miles, which is 3 miles

3. A craft project uses $\frac{5}{6}$ foot of ribbon. Mia has 4 feet of ribbon. After completing 4 projects, how much ribbon did she use?

- A) $\frac{9}{6}$ feet, which is $1\frac{1}{2}$ feet
- B) $\frac{5}{24}$ foot
- C) $\frac{20}{6}$ feet, which is $3\frac{1}{3}$ feet
- D) $\frac{16}{6}$ feet, which is $2\frac{2}{3}$ feet

4. A water bottle holds $\frac{3}{8}$ liter. If a class of 8 students each drinks one full bottle, how much water do they drink in all?

- A) $\frac{11}{8}$ liters, which is $1\frac{3}{8}$ liters
- B) $\frac{3}{64}$ liter
- C) $\frac{8}{8}$ liter, which is 1 liter
- D) $\frac{24}{8}$ liters, which is 3 liters

Part B: Fill in the Blank

Write the correct answer on each line.

1. If 4 + 2 batches each use $\frac{3}{4}$ cup of sugar, the total sugar used is _____ cups as an improper fraction.
2. Aaron and Beth run $7 + 3 = 10$ laps of $\frac{2}{5}$ mile each, totaling _____ miles.
3. Mia uses $4 \times \frac{5}{6} =$ _____ feet of ribbon for 4 projects, before simplifying.
4. Eight bottles of $\frac{3}{8}$ liter each give a total of _____ liters as an improper fraction.
5. If each step is $\frac{2}{3}$ meter and a path has 9 steps, the path length is _____ meters as an improper fraction.

Part A: Multiple Choice

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Part B: Fill in the Blank

Write the correct answer on each line.

1. If $4 + 2$ batches each use $\frac{3}{4}$ cup of sugar, the total sugar used is $\frac{18}{4}$ cups as an improper fraction.
2. Aaron and Beth run $7 + 3 = 10$ laps of $\frac{2}{5}$ mile each, totaling $\frac{20}{5}$ miles.
3. Mia uses $4 \times \frac{5}{6} = \frac{20}{6}$ feet of ribbon for 4 projects, before simplifying.
4. Eight bottles of $\frac{3}{8}$ liter each give a total of $\frac{24}{8}$ liters as an improper fraction.
5. If each step is $\frac{2}{3}$ meter and a path has 9 steps, the path length is $\frac{18}{3}$ meters as an improper fraction.