

Lesson 37: Quiz 2 - Mixed Review of Fractions in Problem Solving

Try this **mixed** review of word problems using fractions.

Directions: Try this **mixed** review of word problems using fractions.

NOTE: In fraction language, "**of**" means **multiply**!

Here is an example:



Cecilia lives $\frac{7}{8}$ of a mile from her job. If she walks $\frac{1}{2}$ of the way before she gets a ride how far has she walked?

$$\frac{7}{8} \times \frac{1}{2} = \frac{7}{16} \text{ of a mile.}$$

Remember to use the slash key (/) to separate the numerator and denominator for your answer. For our example, you would record your answer as 7/16.

- 1) Find $\frac{3}{4}$ of $\frac{2}{3}$ (Do not forget to reduce to **lowest terms** if possible.)

Answer: _____

- 2) Jaques is preparing a recipe that requires $\frac{11}{12}$ of a cup of milk. If he only has $\frac{1}{3}$ of cup of milk, how much more milk does he need for this recipe?



Answer: _____

- 3) Julie needs to read a novel for English class. Over the weekend she read $\frac{2}{3}$ of the book. Last night she read $\frac{1}{5}$ of the book. How much has she read in all?



Answer: _____

- 4) Maria is making skirts for the performers in her daughter's play. Each skirt requires $\frac{3}{8}$ yard of fabric. She has 2 yards of fabric and needs to make 5 skirts. Will she have enough fabric?

Select one:

- a) True
- b) False

5) In the question above, how much fabric will she use in total?

Answer: _____

6) Maria added $\frac{1}{4}$ cup of milk into the muffin batter. She realized that she actually needs $\frac{3}{4}$ cup of milk. How much more milk does she need to add to the batter?

Answer: _____

7) Juan walks a lot on his job. On Monday, Wednesday and Friday he walks $\frac{7}{8}$ of a mile each day. On Tuesday and Thursday he walks $\frac{3}{8}$ of a mile each day. What is the total number of miles he walks during his work week? Record your answer as a mixed number.

Answer: _____