

SET ONE

1. Study Marianne's correct work.



Name: Marianne

Solve. Write your answer in sentence form.

A girl is twice as tall as her brother. If her brother is $\frac{3}{5}$ of a yard tall, how tall is she?

$$\frac{3}{5} + \frac{3}{5} = \frac{6}{5}$$

She is $\frac{6}{5}$ yards tall.



2. Answer these questions.

-  Marianne used repeated addition. Complete the equation below to show how Marianne could have used multiplication to get the same answer.

$$\frac{3}{5} \times \square = \frac{6}{5}$$

-  How is this equation equivalent to $\frac{3}{5} + \frac{3}{5}$?

3. Then complete this one.

Solve. Write your answer in sentence form.

A go-kart uses $\frac{2}{9}$ of a gallon of gas per lap. In a race with 3 laps, how much gas does the go-kart use?

Fraction Multiplication Word Problems (Part 2), continued

SET TWO

1. Study Jermaine's incorrect work.



Name: Jermaine

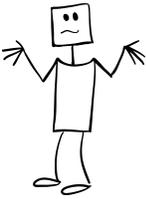
Solve. Write your answer in sentence form.

A man has 4 cats. Each cat eats 3 meals every day. If each cat eats $\frac{1}{2}$ cup of cat food per meal, how much food does each cat eat per day?

$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
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$$\frac{1}{2} \times 4 = \frac{4}{2}$$

Each cat eats 2 cups of food each day.



2. Answer these questions.

1. Circle the pieces of information below that Jermaine used to solve the problem.

4 cats 3 meals per day $\frac{1}{2}$ cup of cat food per meal

2. What does Jermaine's answer actually represent?

3. Circle the pieces of information below that Jermaine should have used to solve the problem.

4 cats 3 meals per day $\frac{1}{2}$ cup of cat food per meal

3. Then complete this one.

Solve. Write your answer in sentence form.

A man is baking 5 cakes. Each cake has 2 layers of frosting. If each layer of frosting uses $\frac{1}{3}$ teaspoon of food coloring, how much food coloring does he need for one cake?