

SET ONE

1. Study Sue's incorrect work.



Name: Sue

Solve. Write your answer in sentence form.

A girl is going for a 2 mile walk. Her brother is riding his bicycle 3 miles to work. If they both have traveled $\frac{1}{3}$ of their distances, who has traveled farther?

They have traveled the same amount. Both have gone $\frac{1}{3}$.



2. Answer these questions.

- What information from the word problem does Sue need to consider to find the correct answer? Explain.
- Without calculating, how could Sue have known which person traveled farther? Explain how you know.

3. Then complete this one.

Solve. Write your answer in sentence form.

A dad drives 12 miles to work each day. A mom drives 8 miles to work. If they both have driven $\frac{1}{4}$ of their commute to work, who has driven farther?

Fraction Multiplication Word Problems (Part 1), continued

SET TWO

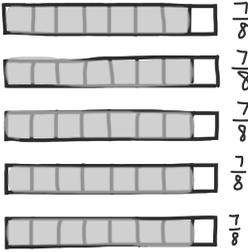
1. Study Greg's correct work.



Name: Greg

Draw a diagram to represent the problem. Then solve. Write your answer in sentence form.

Five friends are each making a shirt. If each shirt uses $\frac{7}{8}$ of a yard of fabric, how much total fabric should the friends buy?



They should buy $\frac{35}{8}$ yards of fabric.



$$\frac{7}{8} \times 5 = \frac{35}{8} \text{ yd.}$$

2. Answer these questions.

- 1. Greg started by making 5 diagrams. What part of the question helped Greg know how many diagrams to create?
- 2. How did Greg know how many parts to break each diagram into?
- 3. How did he know how many parts to shade?

3. Then complete this one.

Draw a diagram to represent the problem. Then solve. Write your answer in sentence form.

A family is painting 4 walls in their house. They need $\frac{1}{5}$ of a gallon of paint for each wall. How much total paint will the family use?