Additional Practice

Name _____

Review

You can solve problems involving the addition and subtraction of fractions by using equations to represent the given information.

Erin uses $\frac{7}{10}$ load of mulch in her front yard. She uses $\frac{4}{10}$ load less in her backyard than in her front yard. How much mulch does Erin use in her backyard?

You can use the information given in the problem to write a subtraction or an addition equation to represent the problem.

$$\frac{7}{10} - \frac{4}{10} = ?$$
$$\frac{7}{10} - \frac{4}{10} = \frac{3}{10}$$

$$? + \frac{4}{10} = \frac{7}{10}$$
$$\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$$

The unknown quantity in each equation is $\frac{3}{10}$. So Erin uses $\frac{3}{10}$ load of mulch in her backyard.

Determine the number described.

1. $\frac{3}{5}$ less than $\frac{8}{5}$

2. $\frac{2}{6}$ greater than $\frac{3}{6}$

3. $\frac{7}{8}$ less than the sum of $\frac{2}{8}$ and $\frac{9}{8}$

4. $\frac{4}{12}$ more than the difference of $\frac{6}{12}$ and $\frac{3}{12}$

5. Mark read $\frac{2}{12}$ of a book on Monday and $\frac{3}{12}$ more of the book on Tuesday. He read the rest of his book on Wednesday. How much of the book did Mark read on Wednesday?

6. Rachael is making a bead necklace. In Rachael's necklace, $\frac{3}{8}$ of the beads are red and $\frac{2}{8}$ of the beads are orange. Rachael plans on using yellow beads to finish making her necklace. What fraction of the beads in Rachael's necklace will be yellow?

7. There is $\frac{5}{6}$ tank of gas in Dwight's car. He uses $\frac{1}{6}$ tank to go shopping and $\frac{2}{6}$ tank to visit a friend. Then Dwight drives home. There is $\frac{1}{6}$ tank in the car after Dwight drives home. How much gas did Dwight use to drive home? Explain.

8. Erica drank $\frac{2}{10}$ gallon more water on Friday than she drank on Thursday. Erica drank $\frac{5}{10}$ gallon of water on Thursday. How much water did Erica drink on Thursday and Friday combined? Explain your reasoning.

Math @ Home Activity

Use measuring cups or spoons and ask your child to find a fractional amount more or less than the given size. For example, ask your child to determine the amount that is $\frac{1}{4}$ cup less than $\frac{3}{4}$ cup.