"I Can Interpret a Real-World Situation and use Division of Fractions to Determine the Solution to the Situation."

## Solving Division Word Problems

1. At a summer camp, the duration of a field hockey game is  $\frac{3}{4}$  hour. The camp counselors have set aside 6 hours for field hockey games. How many games can be played?

2. How many  $\frac{3}{4}$  cup servings are in  $\frac{2}{3}$  cup of yogurt?

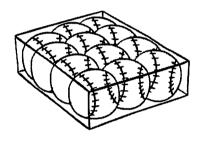
3. Jamar has an 8 foot long piece of wood that he wants to cut to build a step stool for his tree house. If each piece is going to be  $\frac{4}{5}$  foot long, how many pieces he will be able to cut?

4. After a baking contest,  $\frac{2}{3}$  of a pie remained. If 8 people get slices of the remainder, how much of the pie does each person get?

5.

#### Got It?

The net weight of the baseballs in the box shown below is  $60\frac{3}{4}$  ounces. If the weight of each baseball is the same, how much does each baseball weigh?



6. Jay is cutting a roll of biscuit dough into slices that are  $\frac{3}{8}$  inch thick. If the roll is  $10\frac{1}{2}$  inches long, how many slices can he cut?

7. How many  $\frac{3}{4}$  cup servings of cereal are in a box containing  $11\frac{1}{4}$  cups of cereal?

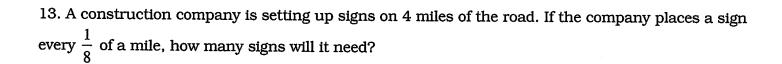
8. Mental Math Some friends are making cakes for a bake sale. In all, they need 6 cups of flour. However, they only have a  $\frac{1}{3}$ -cup measuring cup. How many times will they need to fill the measuring cup?

9. Carli has  $4\frac{1}{2}$  walls left to paint in order for all of the bedrooms in her house to have the same color paint. However, she only has  $\frac{5}{6}$  of a gallon left. How much paint can she use on each wall in order to have enough paint to paint the remaining walls?

10. Daryl has been on a diet for 45 days and is  $\frac{3}{8}$  of the way to the end of the diet program. How long is the program?

11. Theresa has  $\frac{3}{4}$  yard of fabric. For each doll skirt she makes, she needs  $\frac{1}{2}$  yard. Does she have enough fabric to make two doll skirts?

12. Xavier typically eats about  $\frac{2}{3}$  cup serving of strawberries per day. If he buys  $6\frac{2}{5}$  cups of strawberries at the store, how many servings will he have?



14. 6 friends decide to share 
$$\frac{9}{16}$$
 pound of trail mix. How much will each friend get?

#### 15. How many quarters are in 5?

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1. At a summer camp, the duration of a field hockey game is  $\frac{3}{4}$  hour. The camp counselors have set aside 6 hours for field hockey games. How many games can be played?

2. How many  $\frac{3}{4}$  cup servings are in  $\frac{2}{3}$  cup of yogurt?

$$\frac{2}{3} \cdot \frac{4}{3} = \frac{8}{9} \text{ Servings}$$

3. Jamar has an 8 foot long piece of wood that he wants to cut to build a step stool for his tree house. If each piece is going to be  $\frac{4}{5}$  foot long, how many pieces he will be able to cut?

4. After a baking contest,  $\frac{2}{3}$  of a pie remained. If 8 people get slices of the remainder, how much of the pie does each person get?

$$\frac{1}{3} \cdot \frac{1}{8} = \frac{1}{12}$$
 of the pie

Got It?

# The net weight of the baseballs in the box shown below is

 $60\frac{3}{4}$  ounces. If the weight of each baseball is the same, how much does each baseball weigh?

60x4 = 12

6. Jay is cutting a roll of biscuit dough into slices that are  $\frac{3}{8}$  inch thick. If the roll is  $10\frac{1}{2}$  inches long, how many slices can he cut?

$$\frac{121}{2} \cdot \frac{8}{3} = \frac{56}{2} = 28 \text{ slices}$$

7. How many 
$$\frac{3}{4}$$
 cup servings of cereal are in a box containing  $11\frac{1}{4}$  cups of cereal?

8.

Mental Math Some friends are making cakes for a bake sale. In all, they need 6 cups of flour. However, they only have a  $\frac{1}{3}$ -cup measuring cup. How many times will they need to fill the measuring cup?

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Splitling up the 5/6 gallon of Acint

$$\frac{5}{16} \cdot \frac{z^{1}}{9} = \frac{5}{27}$$
 gallon per wall

10. Daryl has been on a diet for 45 days and is 
$$\frac{3}{8}$$
 of the way to the end of the diet program. How long is the program?

$$45 = \frac{3}{8} \cdot E$$
 $\frac{3}{8} \cdot \frac{3}{8} = \frac{3}{8} \cdot \frac{8}{3} = \frac{1}{3} \cdot \frac{1}{3} = \frac{1}{3} = \frac{1}{3} \cdot \frac{1}{3} = \frac{1}{3} \cdot \frac{1}{3} = \frac{1}{3} \cdot \frac{1}{$ 

11. Theresa has  $\frac{3}{4}$  yard of fabric. For each doll skirt she makes, she needs  $\frac{1}{2}$  yard. Does she have enough fabric to make two doll skirts? Cutting

$$\frac{3}{4} \cdot \frac{2}{1} = \frac{6}{4} = \left| \frac{1}{2} \right|$$
 doll skirts

12. Xavier typically eats about 
$$\frac{2}{3}$$
 cup serving of strawberries per day. If he buys  $6\frac{2}{5}$  cups of strawberries at the store, how many servings will he have?

$$\frac{\binom{+2}{85} \div \frac{2}{3}}{5} \cdot \frac{3}{2!} = \frac{48}{5} = \frac{93}{5} \text{ Servings}$$

13. A construction company is setting up signs on 4 miles of the road. If the company places a sign every  $\frac{1}{8}$  of a mile, how many signs will it need?

$$\frac{4}{1} \cdot \frac{8}{1} = \frac{32}{1} = \boxed{32}$$
 signs

14. 6 friends decide to share  $\frac{9}{16}$  pound of trail mix. How much will each friend get?

15. How many quarters are in 5?

$$\frac{5}{1} \cdot \frac{4}{1} = \frac{20}{1} = \boxed{20}$$