

DQ1

Ashley bought 6 pounds of candy. She put the candy into bags that each hold  $\frac{3}{4}$  pound. How many bags of candy did she fill?

Show your work.

DQ2

Janet has  $6\frac{1}{2}$  yards of ribbon to make bows. Each bow needs  $\frac{3}{4}$  of a yard of ribbon.

Tom says Janet has enough ribbon to make 5 bows. Janet says she has enough ribbon to make 8 bows.

Who is right, Tom or Janet?

Explain your answer.

DQ3

Jim is making decorations for the school math fair. He has  $3\frac{3}{4}$  yards of string.

Each decoration needs  $\frac{3}{4}$  of a yard of string. How many decorations can Jim make from the string he has?

Show your work.

DQ4

Mrs. Clifford has 4 yards of string. She cut the string into  $\frac{1}{2}$  yard lengths. How many pieces of string does Mrs. Clifford have?

Show your work.

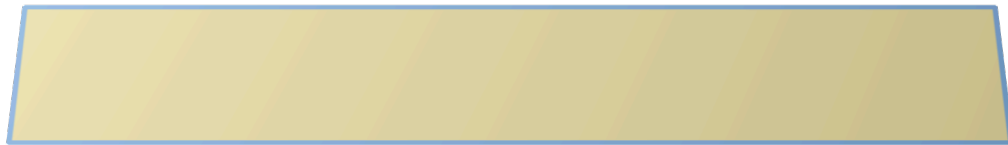
DQ5

Matt has 5 feet of tape. He cuts the tape into pieces  $\frac{1}{4}$  feet in length. How many pieces of tape does Matt have?

Show your work.

DQ6

Mr. Grove has a board 6 feet in length.



How many pieces of wood  $\frac{1}{3}$  foot in length can Mr. Grove cut from this board?

Show your work.

DQ7

Maddy and her mother were making a scavenger hunt along a path they like to walk. The first “treat” will be placed at  $\frac{1}{3}$  mile. They will then place a “treat” at every  $\frac{1}{3}$  mile along the path.

a) How many treats do they need to place along the path if it is 5 miles long?  
Show your work.

b) If they had 19 treats and they place them every  $\frac{1}{3}$  mile, how many miles will they have to walk along the path?  
Show your work.

DQ8

Hannah is following a recipe to make Peanut Butter Squares.

**Ingredients for Peanut Butter Squares**

2 cups chocolate

1 c. dry-roasted peanuts

1 c. cornflakes, crushed

 $\frac{1}{2}$  c. smooth peanut butter

She is using a one-quarter cup measuring cup.



- a) How many times will she need to fill the " $\frac{1}{4}$  measuring cup" to put the correct amount of peanuts in the recipe? Show your work.
- b) How many times will she need to fill the " $\frac{1}{4}$  measuring cup" to complete the entire recipe? Show your work.



DQ9

Josh is making a fruit punch bowl for a party. He can only find his  $\frac{1}{3}$  cup measuring cup.

**Fruit Punch Bowl**

5 cups Hawaiian Punch

 $2\frac{2}{3}$  cups lemonade

2 cups orange juice

4 cups ginger ale

- a) How many times will he need to fill his “ $\frac{1}{3}$  cup container” to measure the correct amount of lemonade. Show your work.
- b) Josh forgot the last ingredient he put in. He knows that he filled the measuring cup 15 times. What ingredient did he just put into the punch bowl? Show your work.

DQ10

The town of Harmony built a new 10-mile long bike path. To celebrate the opening of the new bike path they put balloons along the path at  $\frac{2}{3}$ -mile intervals.

The first bunch of balloons was placed  $\frac{2}{3}$  of a mile into the path. The second balloon was placed at  $1\frac{1}{3}$  miles.

a) How many bunches of balloons were used on the first 6 miles of the path?  
Show your work.

b) Are there any balloons at  $8\frac{1}{3}$  miles into the path? Why or why not? Show your work.

DQ11

Sandy has a large container. She wants to know how many cups of water would fit into the container. Her friend tells her that  $\frac{2}{3}$  cup of water filled the container  $\frac{1}{4}$  full.

A) Choose the multiplication or division problems that represent this situation. Explain your reasoning.

$$\frac{2}{3} \times \frac{1}{4} = ?$$

$$\frac{2}{3} \div \frac{1}{4} = ?$$

$$\frac{1}{4} \div \frac{2}{3} = ?$$

B) Draw a picture of the situation to be sure you chose the correct expression to represent the situation.

DQ12

If  $\frac{2}{3}$  cup of water fills  $\frac{1}{8}$  of a plastic container, what fraction of the container will 1 cup fill?

A) Choose the multiplication or division problems that represent this situation. Explain your reasoning.

$$\frac{2}{3} \times \frac{1}{8} = ?$$

$$\frac{2}{3} \div \frac{1}{8} = ?$$

$$\frac{1}{8} \div \frac{2}{3} = ?$$

B) Draw a picture of the situation to be sure you chose the correct expression to represent the situation.

DQ13

Liz had a piece of ribbon  $6\frac{1}{2}$  feet long. She needed  $\frac{2}{3}$  of a foot of ribbon to decorate each gift she was wrapping. How many gifts can she wrap?

Show your work.

DQ14

Sheila's cat eats  $\frac{3}{4}$  of a can of cat food every day. She has 8 cans of cat food. How many days will she be able to feed her cat before she runs out of cat food?

Show your work.

DQ15

Pat is filling decorative cans of maple syrup into containers that fit  $\frac{2}{5}$  of a gallon of maple syrup. If she has 7 gallons of maple syrup how many decorative cans she fill?

Show your work.

DQ16

Richard loves to downhill ski. If he can ski one run in  $\frac{3}{5}$  of an hour, how many runs can he ski in three hours?

Show your work.



DQ17

Josh loves to downhill ski but he is rather slow. If he can ski one run in  $\frac{2}{5}$  of an hour how many runs can he ski in three hours?

Show your work.