

## Joanna's Healthy Treats

Joanna owns and runs a bakery that makes healthy snacks. She has many great treats in her shop, but her most popular snacks are muffins, homemade granola bars, and bags of healthy snack mix. She makes several batches of these each day. In order to make her snacks, Joanna has the ingredients shipped to her bakery in bulk. She then uses recipes to make sure she gets the amount of each ingredient exactly right for each treat.

One of Joanna's best-loved treats are her oatmeal blueberry muffins. In order to make them, she needs these ingredients:

$1\frac{2}{3}$  cups oats

$1\frac{1}{6}$  cups flour

$\frac{3}{4}$  cup of sugar

1 teaspoon baking powder

1 teaspoon baking soda

$\frac{3}{4}$  teaspoon salt

$1\frac{1}{2}$  cups milk

2 eggs

2 cups of blueberries

Name \_\_\_\_\_

**Year-End Performance  
Assessment Task**

Joanna always uses fresh ingredients. Each day, the bakery gets shipments of ingredients like flour, milk, eggs, fruit, and oats for Joanna's recipes. The ingredients often come in large crates. This is so that she has enough ingredients to make enough of each treat for her customers.

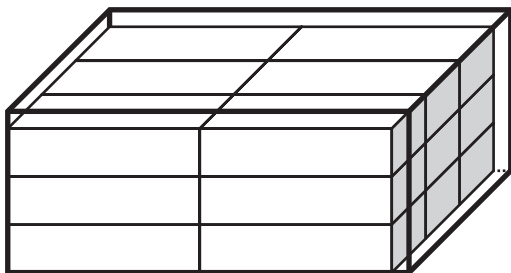
Some of the bulk packages Joanna receives each day include dried fruit to use in her granola bars and snack mix.

Boxes of raisins come in a crate like the one shown.



Each 20-ounce box of raisins measures 6 inches wide by 8 inches tall by 2 inches deep.

Dried cranberries come in crates like the one shown.



Each 8-ounce box of dried cranberries measures 4 inches wide by 6 inches tall by 3 inches deep.



Name \_\_\_\_\_

**Use the recipe on page 105 to answer questions 1–4.  
Show your work.**

- 1.** How many cups of oats, flour, and sugar does Joanna need for this recipe?

Joanna needs \_\_\_\_\_ cups of oats, flour, and sugar.  
Describe how you found your answer.

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- 2.** The oatmeal blueberry muffin recipe makes a batch of 16 muffins.
- a.** If the bakery sells 144 muffins each day, how many batches of muffins does Joanna need to make?

Joanna needs to make \_\_\_\_\_ batches.

- b.** How many cups of flour does Joanna need to make 144 muffins?

Joanna needs \_\_\_\_\_ cups of flour.



Name \_\_\_\_\_

**Year-End Performance  
Assessment Task**

- 3.** The flour Joanna buys comes in 5-pound bags. One cup of flour weighs about  $\frac{3}{10}$  pound. How many cups are in each bag of flour? Show your work.

There are \_\_\_\_\_ cups of flour in each 5-pound bag.

- 4.** Joanna sells one muffin for \$0.55.
- a.** Mrs. Ramirez orders 36 muffins for a party. What will the cost of 36 muffins be?

36 muffins will cost a total of \$\_\_\_\_\_.

- b.** After 4 P.M., Joanna offers a \$0.25 discount on all of her baked goods. If Mrs. Ramirez orders her muffins after 4 P.M., what will the cost be?

36 muffins will cost a total of \$\_\_\_\_\_.

- c.** How much money does Mrs. Ramirez save if she orders the muffins after 4 P.M.? Explain how you found your answer.

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Name \_\_\_\_\_

**5.** Joanna also uses oats in her granola bars.

- a.** Oats come in 42-ounce cans. Joanna uses 134.4 ounces of oats each day. How many cans of oats does Joanna need to for one day?

Joanna needs \_\_\_\_\_ cans of oats.

- b.** Oats are delivered in a box that contains 10 cans of oats. How many boxes of oats does Joanna need for 1 week?

Joanna needs \_\_\_\_\_ boxes of oats.

**6.** Joanna puts almonds in some of her granola bars. There are 24 almonds in one ounce.

- a.** Almonds are delivered to Joanna's bakery in 16-ounce bags. How many almonds are in one bag?

There are \_\_\_\_\_ almonds in each bag.

- b.** A box of almonds contains 8 bags. How many almonds are in each box?

There are \_\_\_\_\_ almonds in each box.



Name \_\_\_\_\_

**Use the information about raisins and dried cranberries on page 106 to answer questions 7–8. Show your work.**

**7.** Each 20-ounce box of raisins is 6 inches wide by 8 inches tall by 2 inches deep.

**a.** What is the volume of one box of raisins?

The volume of one box of raisins is \_\_\_\_\_ cubic inches.

**b.** Look at the diagram of the crate on p. 106. Based on what you know about the volume of one box of raisins, what is the best estimate for the volume of the crate?

The volume of the crate is about \_\_\_\_\_ cubic inches.

**c.** If the crate itself weighs 6 ounces, what is the best estimate for the total weight of the crate?

The crate weighs about \_\_\_\_\_ ounces.

**8.** What is the best estimate for the volume of the crate of dried cranberries? Explain how you know.

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