



# Consumer Mathematics

Workbook

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**UNIT 2 • ACTIVITY 39****Nutrition Math**

The Nutrition Facts label on products offers important information. It displays the serving size, the number of servings per container, the number of calories per serving, and the daily percentage value of fat, carbohydrates, sugar, salt, and vitamins and minerals. Consumers with special dietary needs, such as people with allergies, should read these labels often.

<b>Nutrition Facts</b>	
Serving Size 8 fl oz (240 ml)	
Servings Per Container 2	
<b>Amount Per Serving</b>	
Calories 100	
<b>% Daily Value*</b>	
Total Fat 0g	0%
Sodium 10mg	0%
Total Carb 25g	9%
Sugars 23g	
Protein 0g	
Vitamin C	25%
<small>*Percent Daily Values are based on a 2,000 calorie diet.</small>	

Read the questions below carefully. Use the nutrition label above from a bottle of juice to help you answer the questions. Write your answer on the line after each question.

1. If you drink one serving of juice, what percentage of your daily value of Vitamin C have you taken in? \_\_\_\_\_
2. If you drink this entire bottle of juice, how many calories will you have consumed?  
\_\_\_\_\_
3. In grams, how many carbohydrates are in this bottle? \_\_\_\_\_

**Bonus Question:**

4. What is another word for salt that is found in the Nutrition Facts part of the label?  
\_\_\_\_\_



**UNIT 2 • ACTIVITY 40****Estimates and Guarantees**

Read the three situations below. Then answer the questions that follow. Write your answer on the lines after each question.

- A. Luana bought a watch from a vendor on the streets of a big city who said that the watch was guaranteed to work. A week later, the watch broke. Luana gave it to a friend, who often bragged about his ability to fix things. The watch showed up in the mail in many more pieces than when she had last seen it.
- B. Marco hired a chiropractor to help stop the pain he felt in his lower back. After taking X rays, the chiropractor offered her opinion about Marco's problem. Then she gave him a written estimate of the cost to fix his back. However, she could not guarantee that the problem would not happen again, especially if Marco continued in his career as a construction worker.
- C. Benjamin wanted to hire a carpenter to fix the rotting window sills on his house. The carpenter said all his work was guaranteed for 5 years. He could give Benjamin a written estimate on the cost of the job after he was sure how much work each window needed.

1. What two mistakes did Luana make regarding the watch?

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2. Marco was a little fearful of hiring the chiropractor. Why?

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3. Which scenario seems to offer both an estimate and a guarantee? Explain your answer.

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**UNIT 2 • ACTIVITY 41**
**Contracts**

A contract is typically a written agreement between people. A contract that is a work-for-hire agreement names the people involved in the agreement, their addresses, and the date the agreement begins. It also includes a description of what work is to be done and the date it is to be completed. It may also specify the consequences if the employee does not complete the work, or does not complete the work on time. This agreement guarantees that if the work is done, it will be paid for, and if it is paid for, it will be done.

Read the contract below between Flo's Flowers and Geena Adams. Answer the questions that follow. Write your answers on the lines after the questions.

<b>Contract</b> <b>Work-For-Hire Agreement</b>	
Flo's Flowers 12 Flower Lane Tulipville, New Jersey	Geena Adams 26 Saddle Street Amwell, New Jersey
This agreement was made on the 3rd day of August 2004 by and between Flo's Flowers and Geena Adams for the completion and delivery of bridal flowers for a wedding on October 3rd, 2006. If Flo's Flowers does not fulfill any part of the agreement, a refund will be given to Ms. Adams.	
Ceremony flowers	\$ 300.00
Bride's flowers	\$ 175.00
Boutonnieres	\$ 85.00
Table flowers	\$ 550.00
<b>Total</b>	<b>\$ 1110.00</b>

1. What is the guarantee in the contract?

\_\_\_\_\_

2. Do you know how much the refund will be for? How could this be stated better?

\_\_\_\_\_

\_\_\_\_\_

3. What is the estimated total cost of services? \_\_\_\_\_



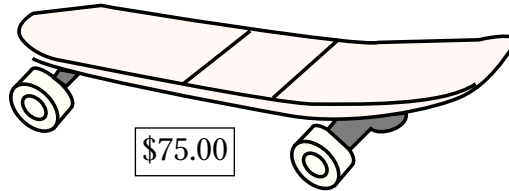
NAME: \_\_\_\_\_



## UNIT 2 • ACTIVITY 48

### Comparing Discounts

Work with a partner to fill out this table. Both of you are to find the amount of discount and the sale price of the skateboard shown below. Show all your work and answers in the table. Then use a calculator to check your answers. Compare your answers and discuss how you arrived at the results.



Discount	Your Discount Amount	Your Sale Price	Partner's Discount Amount	Partner's Sale Price	Calculator's Discount Amount	Calculator's Sale Price
1. $\frac{1}{2}$						
2. $\frac{1}{3}$						
3. $\frac{1}{4}$						