## Use the table to complete Problems 8–9. Use a bar model to write each equation. Then solve.

Name

**8.** On Friday, the snack bar made \$992 selling large buckets of popcorn. How many large buckets of popcorn did the snack bar sell on Friday?

In your equation, let *p* represent the number of large buckets of popcorn sold.

9. MTR On Thursday, the snack bar made a total of \$340 in medium drink sales and a total of \$216 in yogurt bar sales. Which item did the snack bar sell more of on Thursday? Explain how you found your answer.

Snack Bar I	Menu
Large Popcorn	\$8
Medium Drink	\$5
Fruit Snack	\$4
Yogurt Bars	\$3
Family Combo	\$18

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## Show the Math

Demonstrate Your Thinking

- **10.** Asher wants to buy a video game console. In order to save the money needed to buy it in 5 months, he divides the cost by 5. He finds he needs to save \$37 a month. What is the total cost, *c*, of the game console?
- Mei bought a bag of buttons. She divides the buttons equally among 15 containers. Each container has 10 buttons. How many buttons does Mei have?

In your equation, let *b* represent the number of buttons Mei has.

## Problem Solving · Applications Real

## Fill in the bubble completely to show your answer.

- **12.** A day on Neptune lasts for 16 hours. How many Neptune days are in 144 hours? Select the equation and solution that shows how many Neptune days are in 144 hours.
  - (A) 16d = 144; d = 9
  - **(B)**  $d = 16 \times 144; d = 2,304$
  - $\bigcirc$  16 + d = 144; d = 128
  - **(D)** d = 16 + 144; d = 160
- **13.** Stella puts 12 ounces of water in each of 6 bottles. How many ounces of water does she use? Select all of the equations she could use to solve the problem.



- **14**. Noah bought 5 CDs and a DVD for a total of \$57. The DVD cost \$12. The CDs were each the same price. How much did Noah pay for each CD?
  - A \$12 C \$11
  - **B** \$15 **D** \$9
- **15.** Nesim earned \$133 for 7 hours of work. How much does Nesim earn per hour? The equation 7p = 133 can be used to find *p*, the amount Nesim earns per hour.
  - **A** \$19
  - **B** \$6
  - **(C)** \$931
  - **D** \$69

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