### Student Guide

### Fill It Up (SG p. 406) Questions 1–5

I-5.\* See Part 1 in the lesson for two possible strategies students may use to find the volume of a container. Figure 2 provides a sample drawing.

## Homework (SG p. 407) Questions 1–4

- I. A. 504
  - **B.** 109
  - **C.** 20
- 2. A. No
  - **B.** Jar B
  - C. Jar C
  - **D.** Jar C; it only takes 6 Jar As to fill Jar B, but it takes 8 Jar As to fill Jar C.
- **3. A.** 8 small containers; 20 cc more will be needed.
  - **B.** Sentences will vary. Possible sentence:  $8 \times 25 + 20 = 220$  cc
- **4.** Explanations will vary. Possible response: Fill the container to the top with water. See how many 250 cc graduated cylinder I can fill. Pour the last bit of water into the cylinders and measure that. Add the number of 250 ccs with this last amount for the total.







Student Guide - Page 407

	Fill It Up Lab
	Drow
	<ol> <li>Draw a picture that shows how you will find the volume of your containers. In your picture, show the sizes and shapes of your containers and the names you will give them in the data table.</li> </ol>
t@ Kendall Hunt Publishing Company	
Copyright	

Student Activity Book - Page 547

Vo		Find the volume of at least three containers of different sizes. Your measurements may contain some experimental error, so you should measure the volume of each container at least three times and find the median. Record your data in a table like the one below.				
Container	Volume in					
Trial 1	Trial 2	Trial 3	Median			
Find the m • Order th • The "mi	nedian: ne numbers f iddle" numbe	rom least to gr er is the median	eatest.			

Student Activity Book - Page 548

\*Answers and/or discussion are included in the lesson.

- - **7. A.** 578 cc
    - **B.** 125 + 125 + 125 + 125 + 78 = 578 cc
    - **C.**  $125 \times 4 + 78 = 578$  cc
  - **8.** 80 + 80 + 80 + 80 + 55 = 375 cc
  - **9. A.** 5 small jars will give 200 cc.
    - **B.** 30 cc more will be needed.
    - **C.** Sentences will vary. Possible sentence:  $40 \times 5 + 30 = 230 \text{ cc}$
  - **10. A.**\* Estimates will vary.
    - **B.**\* You can fill 5 jars full and part of a 6th jar.
    - **C.\*** 15 cc
    - **D.**\*  $240 \div 45 = 5 \text{ R15}$

2 TG • Grade 3 • Unit 13 • Lesson 8 • Answer Key

# **Student Activity Book**

### Fill It Up Lab (SAB pp. 547–551) Questions 1–10

- **I–3.** Responses to *Questions 1–3* will vary. See Figures 2–4 and discussion in the lesson.
- The answers to *Questions 4–6* are based on the data in Questions 1–3.
  - **4.** jelly jar
  - 5. oil jar
  - 6. A.\* 6 jelly jars would give 1380 cc.
    - **B.** We need 170 cc more to fill the large container.
    - **C.** Answers will vary.
    - **D.** Answers will vary.
    - **E.\*** Answers will vary.

Date



Student Activity Book - Page 549



Student Activity Book - Page 550



Student Activity Book - Page 551

Copyright © Kendall Hunt Publishing Company