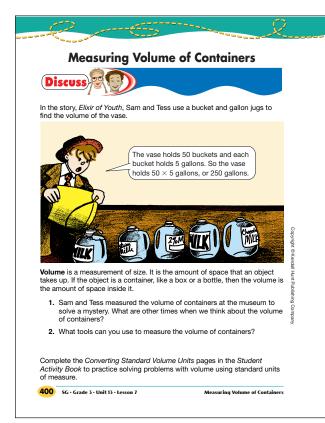
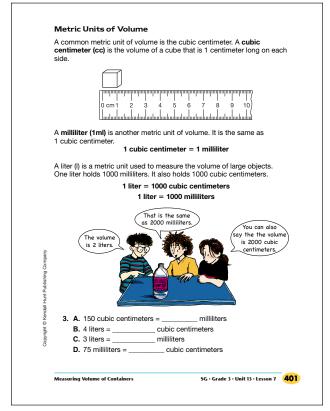
Answer Key • Lesson 7: Measuring Volume of Containers



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

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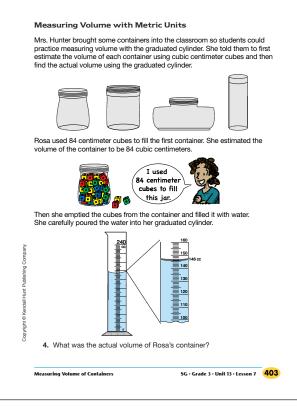
Measuring Volume of Containers (SG pp. 400–404) Questions 1–8

- 1.* Possible responses: When you order differentsized drinks from a restaurant; when you put gas in a car; when you measure in baking or cooking; when you buy products in differentsized containers.
- **2.*** Possible responses: measuring cups, teaspoons, tablespoons, quarts, gallons, and liters
- 3. A. 150 milliliters
 - B. 4000 cubic centimeters
 - **C.** 3000 milliliters
 - **D.** 75 cubic centimeters

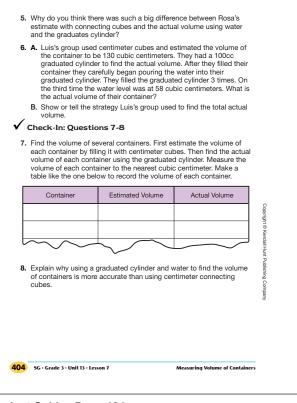
- **4.*** 146 cubic centimeters
- **5.*** Possible response: Since there are spaces between the cubes in the container the volume will be greater when you measure with water.
- 6. A.*258 cubic centimeters
 - **B.** Possible response: Luis needed to fill the graduated cylinder more than once because the volume of the container was more than 100 cubic centimeters. He filled it once and wrote down 100 cc, then he filled it a second time and added another 100 cc, finally he filled it a third time and the water came to 56 cc, so he added another 56 cc.

100 cc + 100 cc + 58 cc = 258 cc

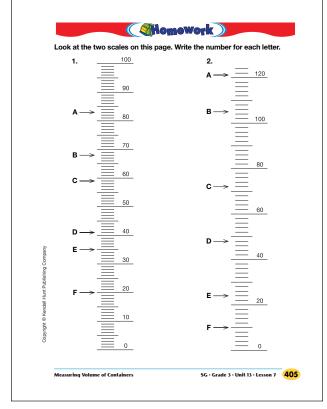
- **7.** Answers will vary depending on the containers used. Encourage students to share their results with the class.
- **8.** Possible response: Using water and a graduated cylinder is much more accurate because when you use just the cubes there is a lot of space left in the container. When you use water, all the space is taken by the water, so it is more accurate.







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Homework (SG p. 405) Questions 1–2

- I. A. 83 cubic centimeters
 - **B.** 68 cubic centimeters
 - C. 59 cubic centimeters
 - **D.** 41 cubic centimeters
 - **E.** 35 cubic centimeters
 - **F.** 20 cubic centimeters
- **2. A.** 121 cubic centimeters
 - **B.** 105 cubic centimeters
 - **C.** 72 cubic centimeters
 - **D.** 48 cubic centimeters
 - **E.** 24 cubic centimeters
 - **F.** 10 cubic centimeters