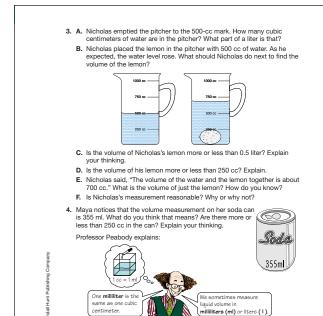


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How many milliliters are in a 250-cc graduated cylinder?
How many cubic centimeters are in Maya's can of soda in Question 4?
A 1-liter pitcher holds 1000 cc. How many milliliters does it hold?
Grace filled three 2-liter bottles with water. How many milliliters of water does she have?

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

#### Student Guide

# Questions 1-12 (SG pp. 566-568)

- 1.\* See discussion in the lesson.
- 2. A. 1 liter
  - **B.** 1000 cc
- **3. A.** 500 cc;  $\frac{1}{2}$  liter or 0.5 liter
  - **B.** Mark the water level, remove the lemon and use a graduated cylinder to measure the volume to that line on the container. This will be the volume of the lemon and the water. So he should subtract 500 cc from the volume of the water to then find the volume of the lemon.
  - **C.** Less, because if it was a 0.5 liter, then the water level would have risen to 1 liter when Nicolas put the lemon in the pitcher of water.
  - D. Student responses will vary. Possible response: I think the lemon is more than 250 cc but less than 500 cc. If the lemon was 500 cc, the water would have been displaced to 1 liter. 250 cc, one graduated cylinder, seems too small for a lemon.
  - **E.** 200 cc; 700 cc 500 cc = 200 cc
  - F. Student responses will vary. Possible response: I think Nicholas's measurement is reasonable. I estimated the measurement would be more than 150 cc but less than 500 cc.
- **4.** Student responses will vary. Possible responses: ml means milliliters; I think ml is the same as cc. So the soda can has 355 cc or 355 ml.
- **5.** 250 ml
- **6.** 355 cc
- **7.** 1000 ml
- **8.** 6000 ml

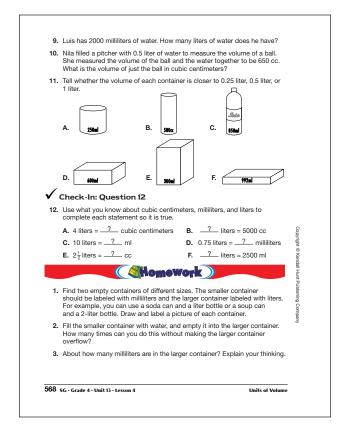
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- **9.** 2 liters
- **10.** 150 cc; 650 cc 500 cc = 150 cc
- **II. A.** 0.25 liters
  - **B.** 0.5 liters
  - C. 1 liter
  - **D.** 0.5 liters
  - **E.** 0.25 liters
  - F. 1 liter
- 12. A. 4000 cubic centimeters
  - **B.** 5 liters
  - C. 10,000 ml
  - **D.** 750 milliliters
  - **E.** 2500 cc
  - **F.** 2.5 liters or  $2\frac{1}{2}$  liters

## Homework

## Questions 1-3 (SG p. 568)

Student responses will vary. Students should draw and label a picture of the containers they used and indicate how they used the smaller container to measure the larger container in milliliters.



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