Answer Key • Lesson 4: Measuring Volume

Student Activity Book

Measuring Volume (SAB pp. 567–572) Questions 1–11

- **I.*** See Figure 2 in Lesson 4 for a sample drawing.
- **2.*** See Figure 3 in Lesson 4 for a sample Data Table.
- **3.*** See Figure 4 in Lesson 4 for a sample graph.









Student Activity Book - Page 569

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

I

Answer Key • Lesson 4: Measuring Volume

Vork	together to answer the following questions.
4.	Which set of objects has the most volume? What is its volume?
5.	Which set of objects has the least volume? What is its volume?
6.	What is the difference in volume between the two sets of objects in Questions 4 and 5? Show how you found your answer.
7.	What is the sum of the volumes of the two sets of objects in Questions 4 and 5? Show how you found your answer.

Student Activity Book - Page 570



- 8. A. >
 - **B.** >
 - **C.** =
 - **D.** <
- **9.** A.*55 cc; Possible responses: 105 − 50 = 55; I know 50 + 50 = 100 and 5 more is 105, so 50 + 55 = 55
 - **B.** 29 cc; Possible response: I counted back by tens 96, 86, 76, 66, then added one back to 67, so that's 30 1 = 29.
- **10.*** Possible response: The water will overflow. 20 + 20 + 20 = 60 cc and 60 + 50 = 110 cc, which is more than the 100 cc the cylinder can hold.
- **II.*** Responses will vary. See Figure 6 in the Lesson for a sample data table.



Student Activity Book - Page 571

Student Activity Book - Page 572

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^{4-7.} Answers will depend on the data.

Teacher Guide

Volume Varies (TG pp. 1–3) Homework Questions 1–5

- I. 134 cc; Possible number sentences: 300 - 166 = 134 cc; 166 + 4 + 30 + 100 = 134
- **2.** 107 cc; Possible strategy: 21 + 100 2 14 = 107



- **3.** 232 cc; Possible number sentence: 52 + 60 + 60 + 60 = 232
- **4. A.** Kim
 - **B.** Liz
 - **C.** greater; I know 300 is greater than 200 so 329 > 225
- 5. A. >
 - **B**. <
 - **C.** <

	Volume Varies				
	((Momework)				
Dear F	ar Family Member:				
Your cl displac have b involvir solves Thank	our child is measuring volume in class by finding the amount of water objects splace when they are placed in a graduated cylinder of water. Students also swe been comparing volumes and solving addition and subtraction problems volving volume. Listen to your child's problem solving strategies as he or she olves each problem. hank you.				
1. Jo 30	sh has a container filled with 166 cc of water. He needs 0 cc in the container. How much more water does he nee				
Nu	Imber sentence				
Nu 2. Er ad wa the	Imber sentence				

_ Date

5. Complete the sentences using greater than, less than, or

A. The volume of Kim's cylinder is the volume of Peter's cylinder.



Name

equal to.

Name _			Date	
3. J a g	Jason p added ti 50 cc. V graduate	er. He a volume of cars in the		
١	Number	sentence		
4. (Compar he table	re the volume of eac e.	ch student's graduated	cylinder in
		Student	Volume of the Object and Water	
		Peter	225 cc	
		Liz	150 cc	1
		Sam	179 cc	1
		Kim	238 cc	1
Ē	4. Who 3. Who	has the cylinder wi	th the greatest volume?	yildt O Kendali Huni Publishing C
C	C. Is the or les how	e sum of the volume ss than the volume you know.	e of Liz and Sam's cylin of Peter's cylinder? Sho	ders greater by
2 тс. (Grade 2 • I	Unit 11 • Lesson 4	н	omework Master



Teacher Guide - Page 2

Teacher Guide - Page 3