

Student Activity Book

**Filling Graduated Cylinders (SAB pp. 564–565)
Questions 1–4**

Name _____ Date _____



1. Draw and label a picture showing how to fill a graduated cylinder. Use clue words like *first*, *next*, and *finally* to tell the steps in order.

Remember to show the scale.



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1. Drawings will vary. Pictures and labels should show the following sequence:

First, put the cylinder on a flat surface. Next, bend down so your eyes are level with the water. Then fill to the desired level with the water. Finally, read the bottom of the meniscus.

2. A. 25 cc
B. 55 cc
C. 87 cc
3. 249 cc; Possible strategy:

$$\begin{array}{r} 1 \\ 162 \\ + 87 \\ \hline 249 \end{array}$$

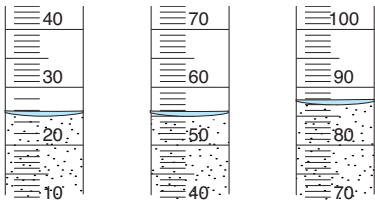
4. 138 cc; Possible strategy: $240 - 100 = 140$ and $140 - 3 + 1 = 138$

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Name _____ Date _____

✓ Check-In: Questions 2-4

2. What is the volume of the water in each cylinder?



A. _____ B. _____ C. _____

Show or tell how to solve each problem.

3. Mark's cylinder was filled to 162 cc of water. Tara added 87 more cc of water. How much water is in Mark's cylinder now?
4. Tara had 241 cc of water in her cylinder. She spilled some water. Then the volume was 103 cc. How much water did she spill?

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