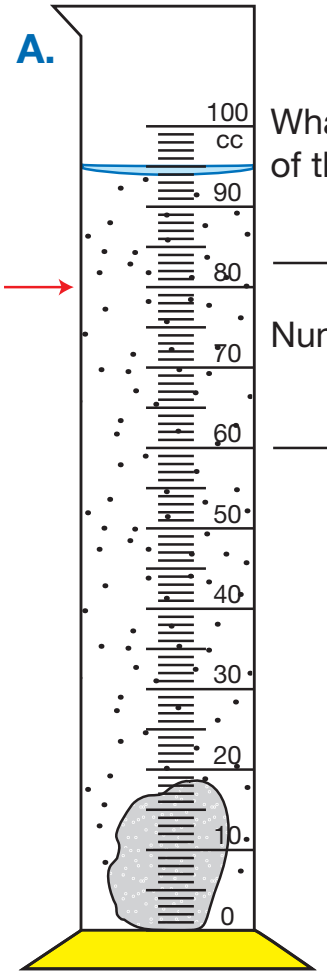
Name _____ Date _____

Volume Problems

1. Sara dropped the same rock in each graduated cylinder below. The arrow shows the starting level of the water.

A.



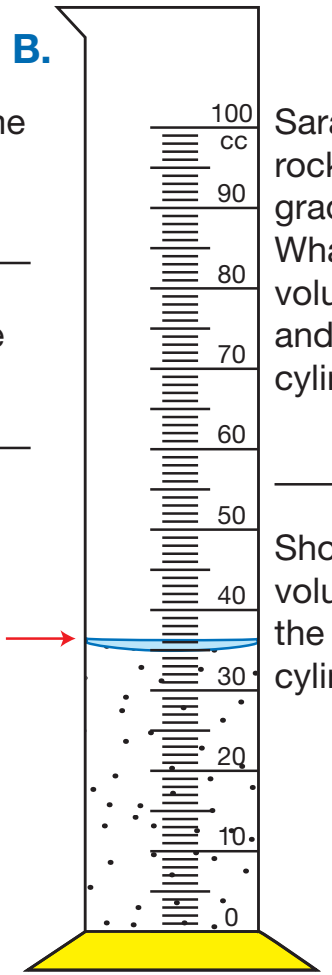
What is the volume of the rock?

_____

Number sentence

_____

B.

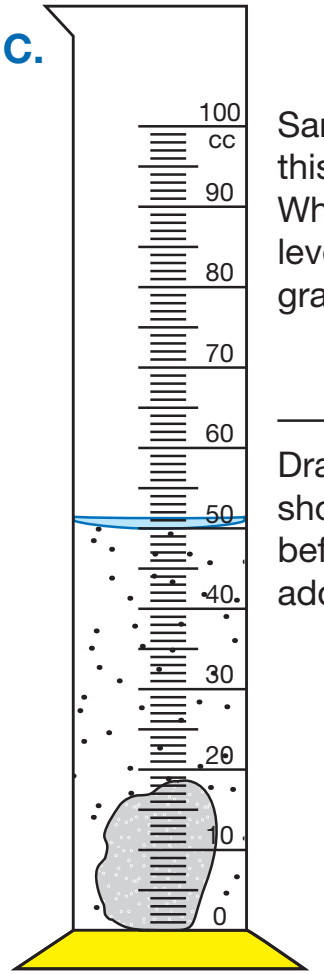


Sara moved the rock to this graduated cylinder. What is the total volume of the water and the rock in the cylinder?

_____

Show the total volume. Shade the graduated cylinder.

C.



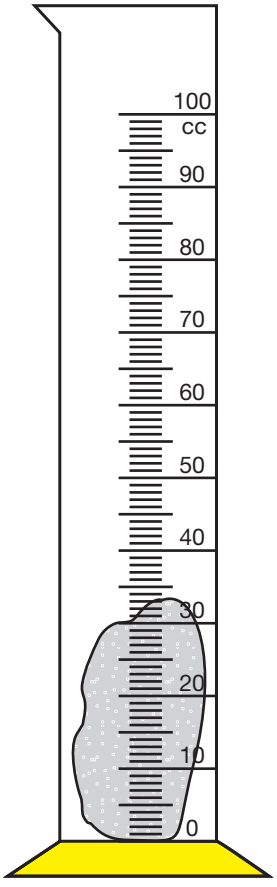
Sara moved the rock to this graduated cylinder. What was the starting level of the water in the graduated cylinder?

_____

Draw an arrow to show the water level before the rock was added.

Name _____ Date _____

2. John's rock has a volume of 25 cc. He put 50 cc of water into the graduated cylinder. What is the water level with both the rock and the water in the cylinder? Show the water level. Shade the graduated cylinder.



Explain how you got your answer.

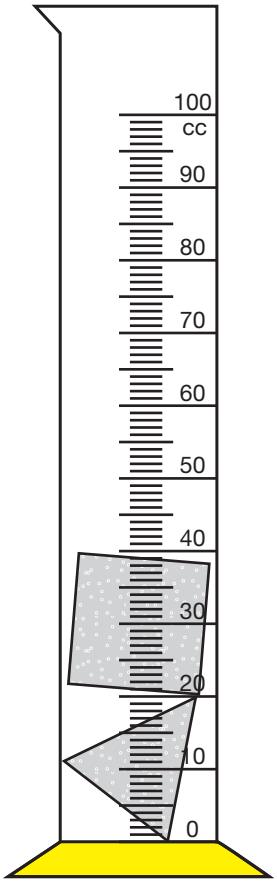
_____

_____

_____

Name _____ Date _____

3. Natasha has two objects. One object has a volume of 15 cc. The other object has a volume of 18 cc. She placed both objects in 60 cc of water.

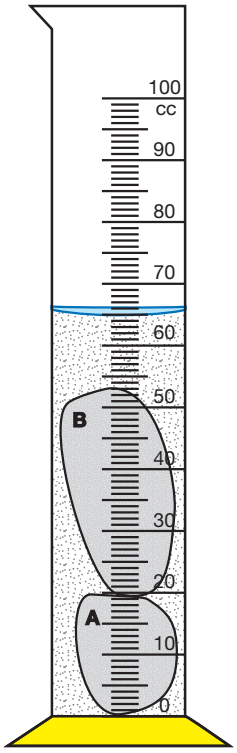


What is the total volume in the graduated cylinder? Shade the graduated cylinder. Write a number sentence for the total volume.

_____

Name _____ Date _____

4. Levi put 40 cc of water and two objects into a graduated cylinder. He knows that the volume of Object A is 6 cc. The volume of both objects and the water is 65 cc. Jim said, "I can figure out the volume of Object B without taking Object A out."



Help Levi show his thinking by answering each question.

A. What is the total volume in the graduated cylinder? _____

B. What is the volume of water and Object A? _____

C. What is the volume of Object B? _____

D. Find the volume of Object B a different way. Explain your thinking.