

Volume Varies



Dear Family Member:

Your child is measuring volume in class by finding the amount of water objects displace when they are placed in a graduated cylinder of water. Students also have been comparing volumes and solving addition and subtraction problems involving volume. Listen to your child's problem solving strategies as he or she solves each problem.

Thank you.

1. Josh has a container filled with 166 cc of water. He needs 300 cc in the container. How much more water does he need?

Number sentence _____

2. Emily poured 114 cc of water in a graduated cylinder. She added all the marbles from a small bag. The volume of the water and the marbles was 221 cc. What was the volume of the marbles? Show or tell how you found your answer.

3. Jason poured 52 cc of water in a graduated cylinder. He added three toy cars to the cylinder. Each car has a volume of 60 cc. What is the volume of the water and all the cars in the graduated cylinder?

Number sentence _____

4. Compare the volume of each student's graduated cylinder in the table.

Student	Volume of the Object and Water
Peter	225 cc
Liz	150 cc
Sam	179 cc
Kim	238 cc

A. Who has the cylinder with the greatest volume? _____

B. Who has the cylinder with the least volume? _____

C. Is the sum of the volume of Liz and Sam's cylinders greater or less than the volume of Peter's cylinder? Show or tell how you know.