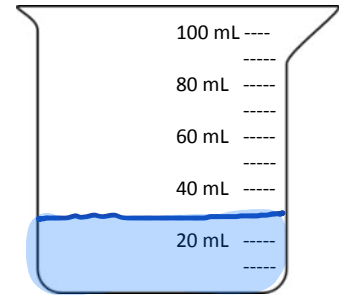Name _____   Date _____
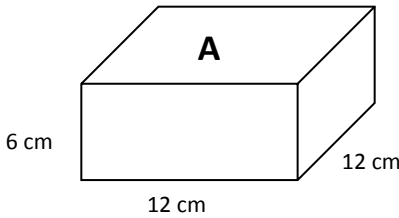
1. Johnny filled a container with 30 centimeter cubes. Shade the beaker to show how much water the container will hold. Explain how you know.

   100 mL ----
   -----
   80 mL -----
   -----
   60 mL -----
   -----
   40 mL -----
   20 mL -----

   Since 1 cm³ of water is equal to 1 mL, 30 centimeter cubes is equal to 30 mL.
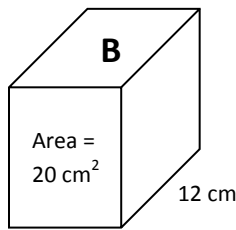
2. A beaker contains 250 mL of water. Jack wants to pour the water into a container that will hold the water. Which of the containers pictured below could he use? Explain your choices.
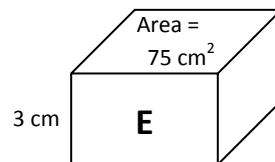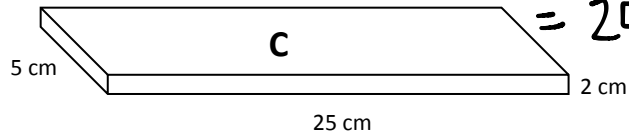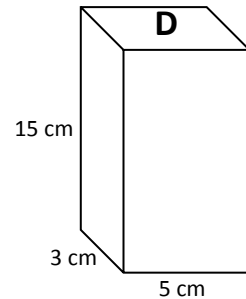
   $V = 2cm \times 25cm \times 5cm = 250 cm^3$

   C
   5 cm
   25 cm
   2 cm

   A
   6 cm
   12 cm
   12 cm

   $V = 6cm \times 12cm \times 12cm = 864 cm^3$

   B
   Area = 20 cm²
   12 cm

   $V = 20cm^2 \times 12cm = 240 cm^3$

   Area = 75 cm²
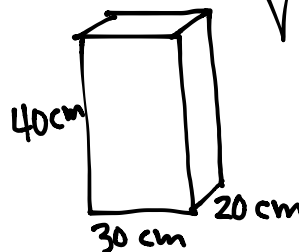   3 cm
   E

   $V = 75cm^2 \times 3cm = 225 cm^3$

   D
   15 cm
   3 cm
   5 cm

   $V = 15cm \times 3cm \times 5cm = 225 cm^3$

   Jack could use container A or C.

3. On the back of this paper, describe the details of the activities you did in class today. Include what you learned about cubic centimeters and milliliters. Give an example of a problem you solved with an illustration.

   Answers will vary.

   $1 cm^3 = 1 mL$

   40 cm
   30 cm
   20 cm

   $V = 40cm \times 30cm \times 20cm = 24,000 cm^3 = 24,000 mL$