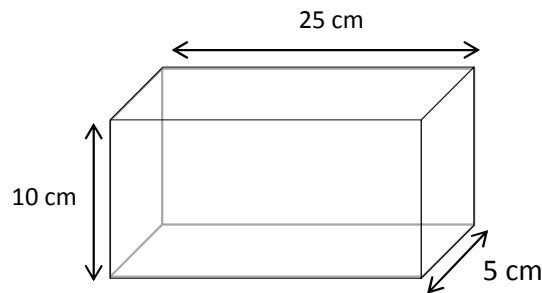


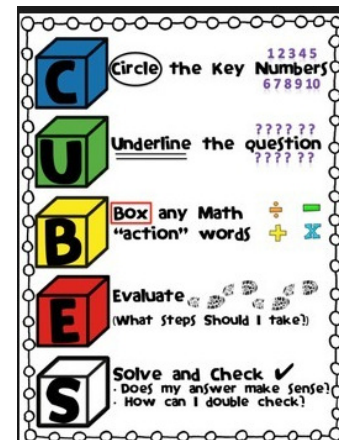
# Week 31 Module 5 Assessment

Name \_\_\_\_\_ Score \_\_\_\_/20

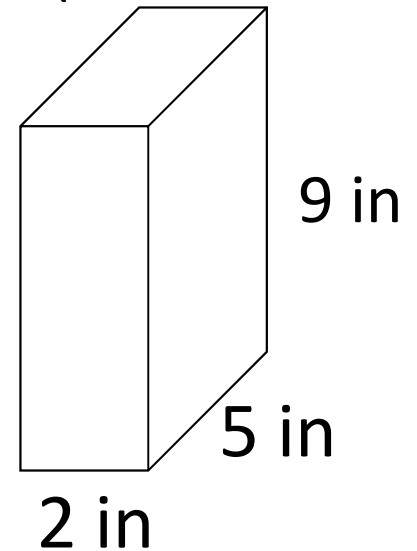
1. A. Find the volume of the rectangular fish tank. Explain your thinking. (3 points for correct, complete sentences)



- B. If the fish tank is completely filled with water and then 500 cubic centimeters are poured out, how high will the water be?  
Give your answer in centimeters, and show your work. (3 points)



- 2. Jack found the volume of the prism pictured to the right by multiplying  $5 \times 9$  and then adding  $45 + 45 = 90$ . He says the volume is 90 cubic inches.
- Jill says he did it wrong. He should have multiplied the bottom first ( $2 \times 5$ ) and then multiplied by the height. **Explain** to Jill why Jack's method works and is equivalent to her method. **Minimum three sentences to explain.** (4 points)



---

---

---

---

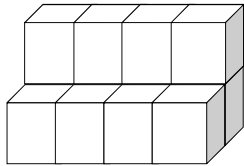
---

---

---

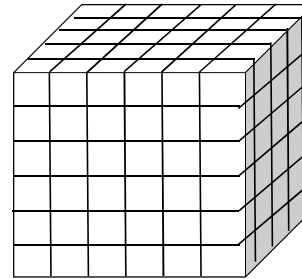
3.

What is the volume in cubic units of this figure below? (2 points)



4.

What is the volume in cubic cm of this figure below? (2 points)



5.

The volume of a rectangular prism is  $96 \text{ in}^3$ . If the area of the base is  $12 \text{ in}^2$ , find its height. **Draw and label a model** to show your thinking. (3 points)

6.

Find the Area. **Answer in fraction form.** (3 points)

