

5MD3**Worksheet video 1 Name _____**

Problem 1. Draw a line under the answer that gives the correct volume of the container.

$$\text{Volume} = \text{Length} \times \text{Width} \times \text{Height}$$

A school is filling a container with crayon boxes. The container has a length of 8 inches a height of 7 inches and a width of 5 inches. What is the volume of the container?

- a. 100 in³ b. 280 in³
c. 250 in³ d. 300 in³

Problem 2. Draw a line under the correct answer. Reminder: $V = L \times W \times H$

A farmer is stacking bales of hay into a shed. The bottom layer of hay measures 5 bales by 3 bales. If there are 4 layers how many bales of hay does the farmer stack in the shed?

- a. 60 bales b. 70 bales
c. 80 bales d. 100 bales

Problem 3. Answer the following question. Write your answer on the line.

Mike is filling a shelf with toy boxes. To fill one layer, it takes 4 toy boxes. If there are 4 layers, how many toy boxes would there be in all?

Problem 4. Answer the following question. Write your answer on the line.

Reminder: $\text{Volume} = L \times W \times H$

A plane has a cargo space that is 12 feet long, 10 feet deep, and 8 feet high. The luggage containers are 3 feet long, 2 feet wide, and 1 foot high. How many luggage containers will fit into the cargo space?
