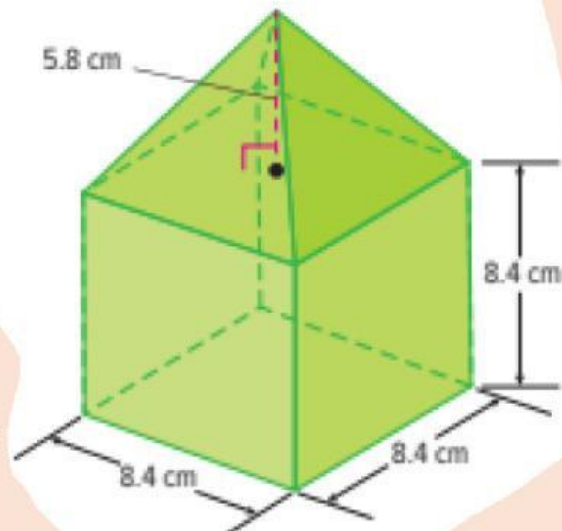


# Volume and Surface Area of Composite Figures

## 1. Example 1 Volume of Composite Figures

A toy block has the dimensions shown.

What is the volume of the block?  
Round to the nearest hundredth if necessary.

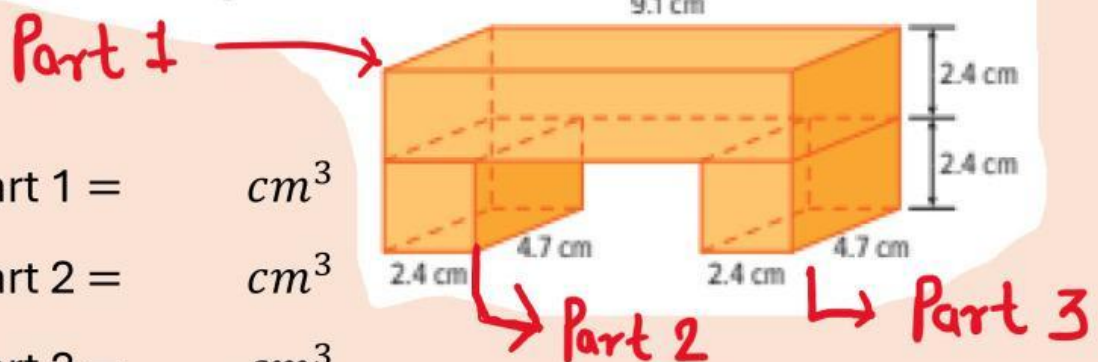


Volume of the pyramid =  $\text{cm}^3$

Volume of the cube =  $\text{cm}^3$

Volume of the toy block =  $\text{cm}^3 + \text{cm}^3 = \text{cm}^3$

## 2. What is the volume of the composite figure? Round to the nearest hundredth if necessary.



Volume of part 1 =  $\text{cm}^3$

Volume of part 2 =  $\text{cm}^3$

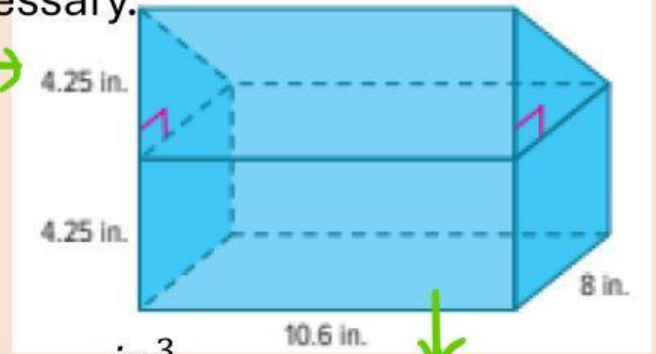
Volume of part 3 =  $\text{cm}^3$

Volume of the composite figure =  $\text{cm}^3 + \text{cm}^3 + \text{cm}^3 = \text{cm}^3$

3. Mya's lunchbox is shown. What is the volume of the lunchbox?

Round to the nearest tenth if necessary.

Part 1 →



Volume of part 1 =  $\text{in}^3$

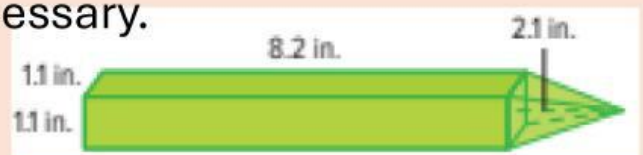
Volume of part 2 =  $\text{in}^3$

Volume of the lunch box = + =  $\text{in}^3$

Part 2 ↓

4. Anson's toy rocket is shown. What is the volume of the rocket?

Round to the nearest tenth if necessary.

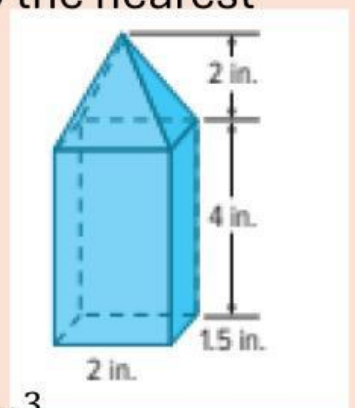


Volume of the pyramid =  $\text{in}^3$

Volume of the cuboid =  $\text{in}^3$

Volume of the toy rocket = + =  $\text{in}^3$

5. What is the volume of the birdfeeder? Round to the nearest tenth if necessary.

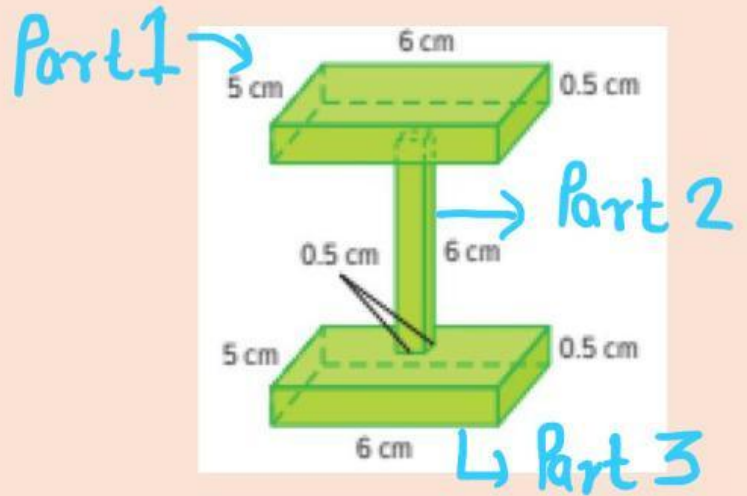


Volume of the pyramid =  $\text{in}^3$

Volume of the cuboid =  $\text{in}^3$

Volume of the birdfeeder = + =  $\text{in}^3$

6. Zahir made this wooden perch for his pet bird. What is the volume of the bird perch? Round to the nearest tenth if necessary.



Volume of part 1 =  $\text{cm}^3$

Volume of part 2 =  $\text{cm}^3$

Volume of part 3 =  $\text{cm}^3$

Volume of the bird perch =      +      +      =  $\text{cm}^3$