

# 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 =

$cm^3$

Volume of the cube =

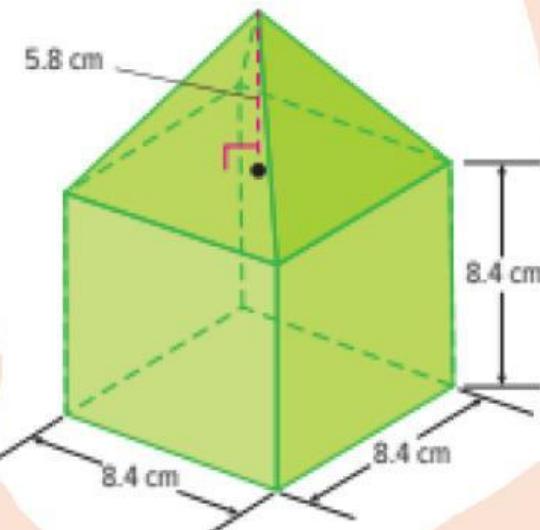
$cm^3$

Volume of the toy block =

+

=

$cm^3$

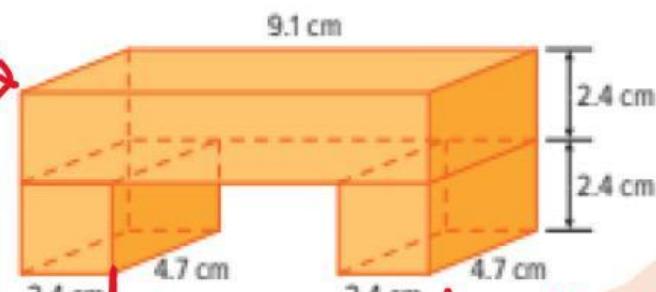


2. What is the volume of the composite figure? Round to the nearest hundredth if necessary.

Part 1

Volume of part 1 =

$cm^3$



Volume of part 2 =

$cm^3$

Volume of part 3 =

$cm^3$

Volume of the composite figure =

+

+

=

$cm^3$

Part 2

Part 3

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

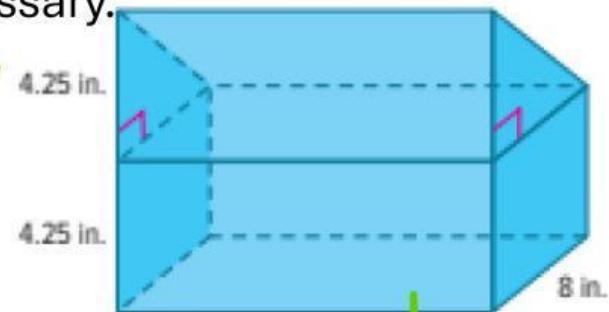
Round to the nearest tenth if necessary.

Part 1 →

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

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

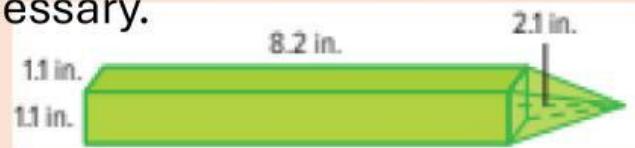
$$\text{Volume of the lunch box} = + = \text{in}^3$$



Part 2

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

Round to the nearest tenth if necessary.



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

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

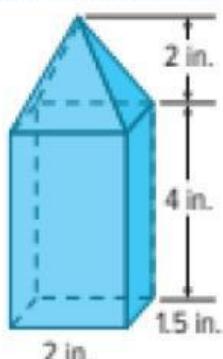
$$\text{Volume of the toy rocket} = + = \text{in}^3$$

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

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

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

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



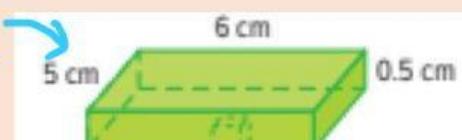
6. Zahir made this wooden perch for his pet bird. What is the volume of the bird perch? Round to the nearest tenth if necessary.

Part 1

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

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

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



Part 2



Part 3

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