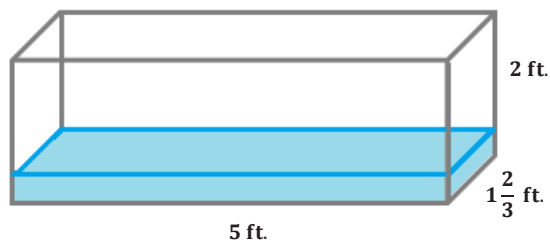
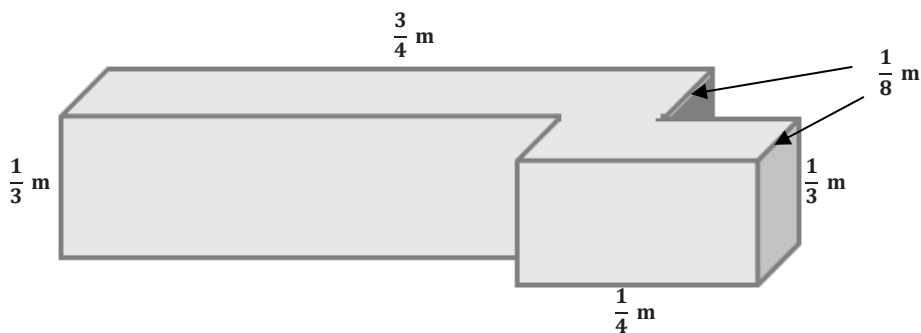


Problem Set

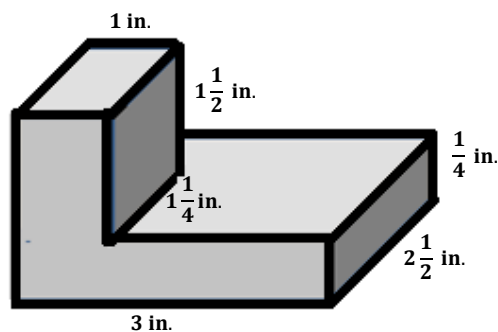
1. The volume of a rectangular prism is $\frac{21}{12}$ ft³, and the height of the prism is $\frac{3}{4}$ ft. Determine the area of the base.
2. The volume of a rectangular prism is $\frac{10}{21}$ ft³. The area of the base is $\frac{2}{3}$ ft². Determine the height of the rectangular prism.
3. Determine the volume of the space in the tank that still needs to be filled with water if the water is $\frac{1}{3}$ ft. deep.



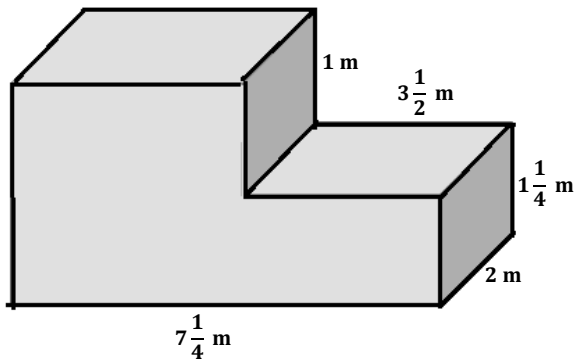
4. Determine the volume of the composite figure.



5. Determine the volume of the composite figure.



6.



- Write an equation to represent the volume of the composite figure.
- Use your equation to calculate the volume of the composite figure.