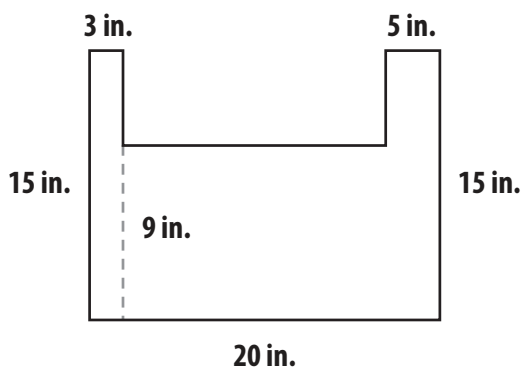


An irregular figure is a combination of different shapes. This means that you must divide the figure into its parts, calculate the area or volume, and add the parts together to get the total.

The steps to finding the area or volume of irregular shapes are:

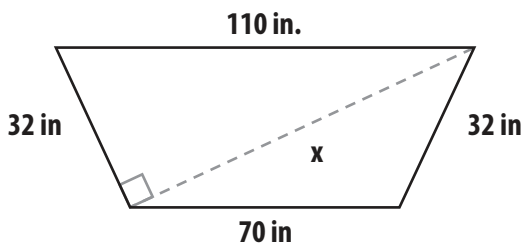
1. Divide the figure into simple shapes.
2. Find the area/volume of each part.
3. Add the areas/volumes

Select the best answer for the following questions and type it on the line provided.



An irregular shape composed of 3 rectangular areas. The width is 20 inches. The length is 15 inches. The length and width in section one are 15 inches and 3 inches. The second section has a length of 9 inches and a width of 12 inches. The final section has a length of 15 and a width of 5.

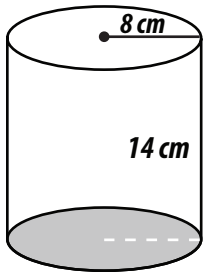
1. Find the area of the figure above. _____
 - a. 10 feet
 - b. 12 feet
 - c. 15 feet
 - d. 11 feet



Trapezoid with the dimensions being: Top line 110 inches, left side 32 inches, right side 32 inches, and bottom is 70 inches. Line X runs from the bottom left to the top right corners.

2. Solve for x in the figure above. (Round to the nearest inch.) _____

- a. 105 in
- b. 104 in
- c. 114 in
- d. 115 in



A cylinder has a height of 14 centimeters and a radius of 8 centimeters.

3. What is the volume of the cylinder above? _____

- a. 704 cu cm
- b. 703.36 cu cm
- c. 2500 cu cm
- d. 2813.44 cu cm