## **2** TAKS PREPARATION



## **REVIEWING ORTHOGRAPHIC AND ISOMETRIC DRAWINGS**

Technical drawings are drawings that show different viewpoints of three-dimensional objects. You can use technical drawings to determine characteristics of the objects, such as their surface area or volume. Two types of technical drawings are *orthographic projections* and *isometric drawings*.

An orthographic projection is a two-dimensional drawing of the front, top, and side views of a three-dimensional object.

An isometric drawing is a visual representation of a three-dimensional object in two dimensions.

## EXAMPLE

What is the volume of a three-dimensional object with the dimensions shown in the three views below?







## Solution









The volume of the object is 180 cubic feet.