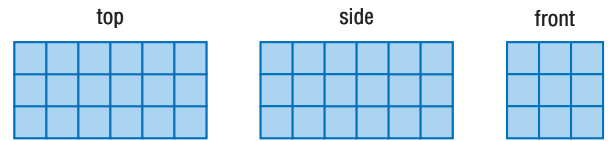


Geometry Lab

Drawing Three-Dimensional Figures

Different views of a stack of cubes are shown. A point of view is called a **perspective**. You can build or draw three-dimensional figures using different perspectives.

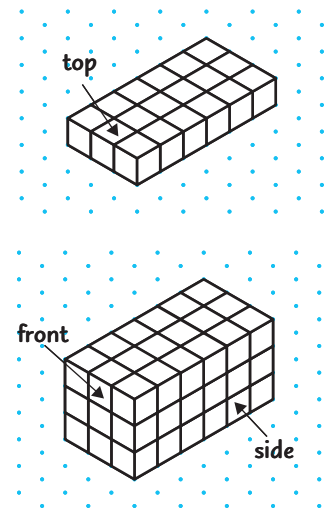


ACTIVITY

Build the figure that has the views shown above. Then use isometric dot paper to draw the model.

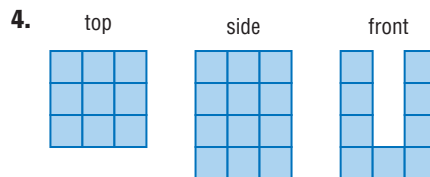
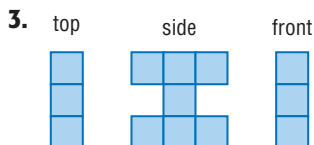
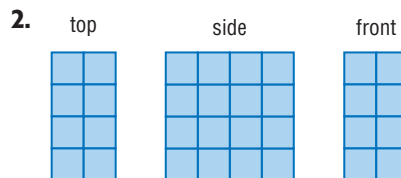
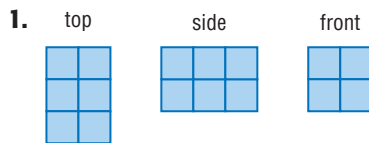
Step 1 Use the top view. The top view shows the shape of the base. It is a 3-by-6 rectangle.

Step 2 The front view is a 3-by-3 square. This shows that the overall height and width of the figure are 3 units. The side view shows that the height is 3 units and the length is 6 units.



Exercises

The top view, a side view, and the front view of a three-dimensional figure are shown. Use cubes to build each figure. Then draw your model on isometric dot paper.



Draw and label the top view, a side view, and the front view for each figure.

