Drawing Views of Rotated Objects

**Measurement**

**Unit 1 Line Master 19**

1. Use 6 linking cubes to build an object.

Draw the top, front, and side views of the object.

2. Predict each view when the object is rotated horizontally   
90° clockwise.

Rotate the object to check your predictions.

Draw the new top, front, and side views after the rotation.

Return the object to its original orientation.

3. Repeat Step 2 using a rotation horizontally of   
90° counterclockwise.

4. Repeat Step 2 using a rotation horizontally of 270° clockwise.

5. Did any of the rotations result in the same views? Explain.

6. Predict each view when the object is rotated vertically:

* 90° away from you
* 90° towards you

Rotate the object to check your predictions.

Draw the new front, top, and side views after each rotation.