

Drawing Views of Rotated Objects

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 youRotate the object to check your predictions.
Draw the new front, top, and side views after each rotation.