

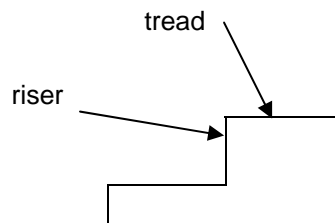
CHAPTER 6 TASK

Business Is Booming



A local restaurant is expanding into the next unit in a mall. The floor of the unit to be taken over is 3 ft higher than the floor of the existing restaurant. A six-foot wide opening is to be cut through the wall. The steps coming from the new opening will be six feet wide. The second last step down to the existing restaurant will be seven feet wide, and the last step will be eight feet wide.

The riser on each step is to be 9 in. and the tread on each step is to be 12 in. See the diagram below.



1. Use drawing software, or pencil and paper, to design the stairs that will connect the restaurant with the addition. Create an isometric drawing of the stairs.
2. Draw a set of orthographic drawings of the stairs.
3. Use cardboard, foamboard, interlocking cubes, or some other material to create a scale model of the stairs.