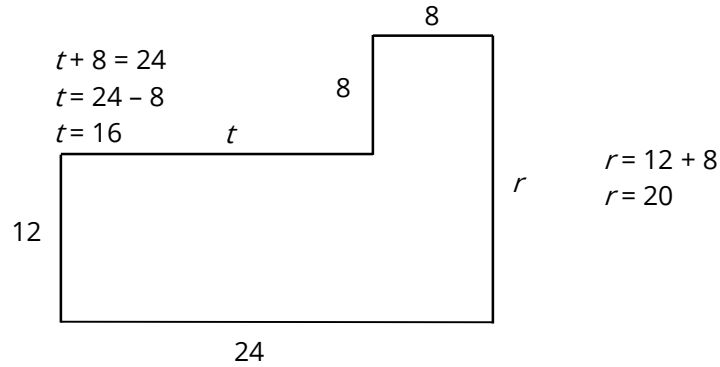
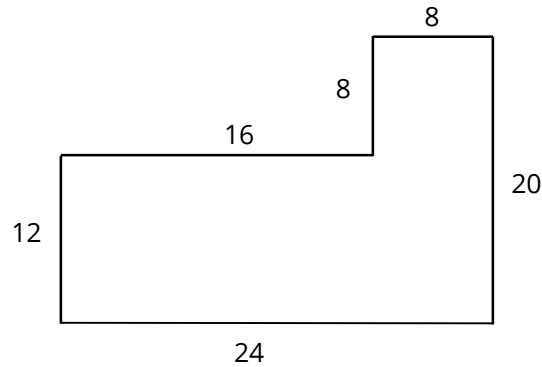


### Possible Solutions

Perimeter is the measurement of the distance around a figure. Since the crown molding is going all the way around the room, we will compute the perimeter. However, there are a few missing lengths.



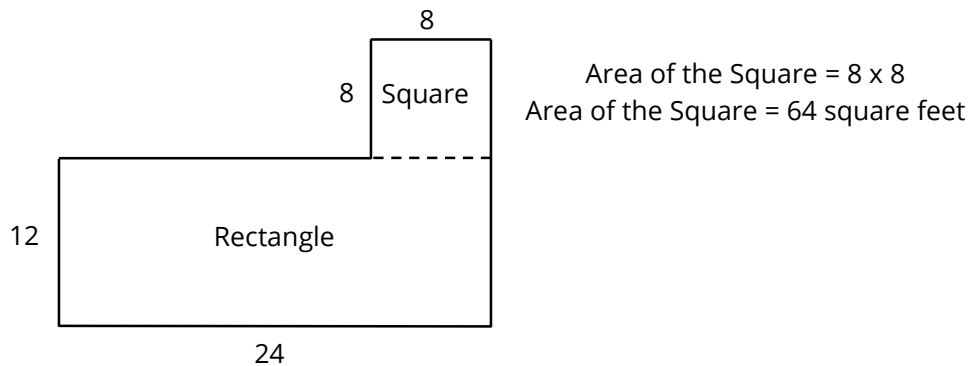
Now that we have found the missing lengths, we can add all of the side lengths to find how much crown molding is needed.



$$12 + 16 + 8 + 8 + 20 + 24 = 88 \text{ feet of crown molding}$$

### Area

Area is the surface or space covered in a figure. Since the tile is covering the entire floor, we will compute the area. We can use the original lengths, but it will be helpful to break the diagram into a rectangle and a square.



Area of the Rectangle =  $12 \times 24$   
 Area of the Rectangle = 288 square feet

Total floor tile =  $288 + 64$   
 Total floor tile = 352 square feet