

Name: _____ Computing perimeter and area



The Scene of the Crime

It's a crime that happens nearly every day. But it won't make the headlines of your local newspaper. The diagram below shows the floor plan of the crime scene. Follow the directions below to identify the crime.

Directions:

The dimensions of some rooms in the diagram are not given. Use the number clues provided to help you determine the missing lengths and widths. Write them on the diagram. Then:

1. Find the perimeter and area of each room. Show all of your work on another sheet of paper.
2. Match each room's letter to that room's perimeter and area listed in the chart.
3. When you're finished, you will identify the crime. Case closed!

The crime:

perimeter/area	letter
64 ft. / 128 ft. ²	
40 ft. / 160 ft. ²	
60 ft. / 144 ft. ²	
128 ft. / 256 ft. ²	
48 ft. / 108 ft. ²	
36 ft. / 72 ft. ²	
64 ft. / 480 ft. ²	
64 ft. / 192 ft. ²	
72 ft. / 144 ft. ²	
72 ft. / 324 ft. ²	
96 ft. / 256 ft. ²	
144 ft. / 324 ft. ²	

Solve This: Compute the perimeter and area of the entire building above.

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