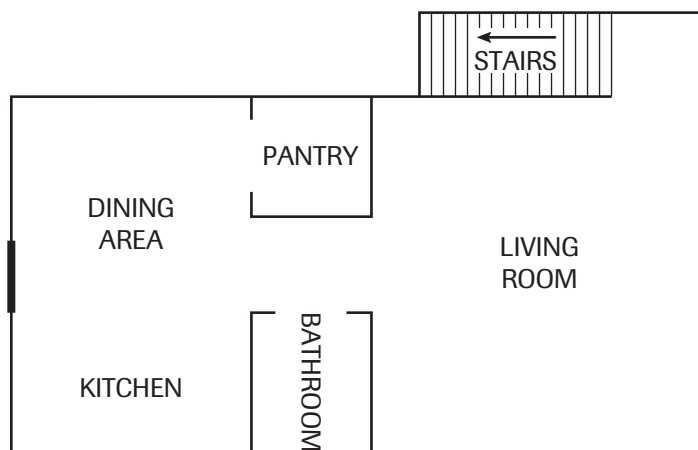


Challenge

Floor Plan

The floor plan below shows the first floor of Corey's house. The scale for the floor plan is $\frac{1}{8}$ in = 1 ft. Use the floor plan and an inch ruler to solve each problem.



1. What are the actual length and width of the dining area and kitchen together?

2. What are the actual length and width of the bathroom? the pantry?

3. The thick black line segments represent doorways. How wide are they?

4. How wide are the actual stairs?

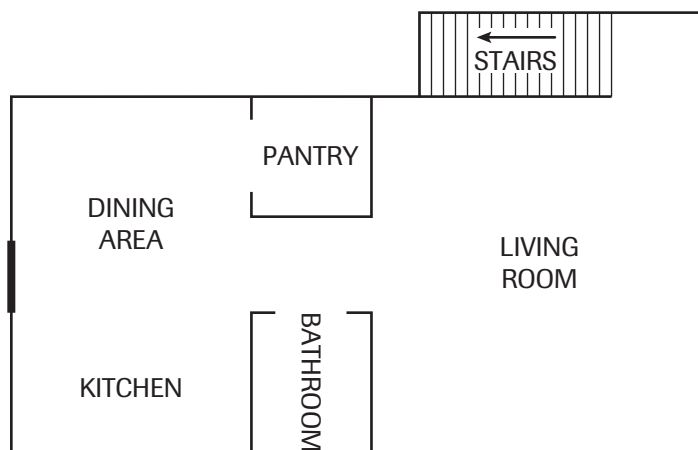
5. Write the length of each side of the actual living room. Then find its perimeter.

6. A sofa is 3 ft wide and 6 ft long. What would be its length and width on the floor plan?

Challenge

Floor Plan

The floor plan below shows the first floor of Corey's house. The scale for the floor plan is $\frac{1}{8}$ in = 1 ft. Use the floor plan and an inch ruler to solve each problem.



1. What are the actual length and width of the dining area and kitchen together?

15 ft long, 10 ft wide

2. What are the actual length and width of the bathroom? the pantry?

bathroom: 6 ft by 5 ft; pantry: 5 ft by 5 ft

3. The thick black line segments represent doorways. How wide are they?

3 ft

4. How wide are the actual stairs?

$3\frac{1}{2}$ feet

5. Write the length of each side of the actual living room. Then find its perimeter.

$18\frac{1}{2}$ ft, 14 ft, 15 ft, 10 ft, $3\frac{1}{2}$ ft, 4 ft; $P = 65$ ft

6. A sofa is 3 ft wide and 6 ft long. What would be its length and width on the floor plan?

$\frac{3}{8}$ inch wide and $\frac{3}{4}$ inch long