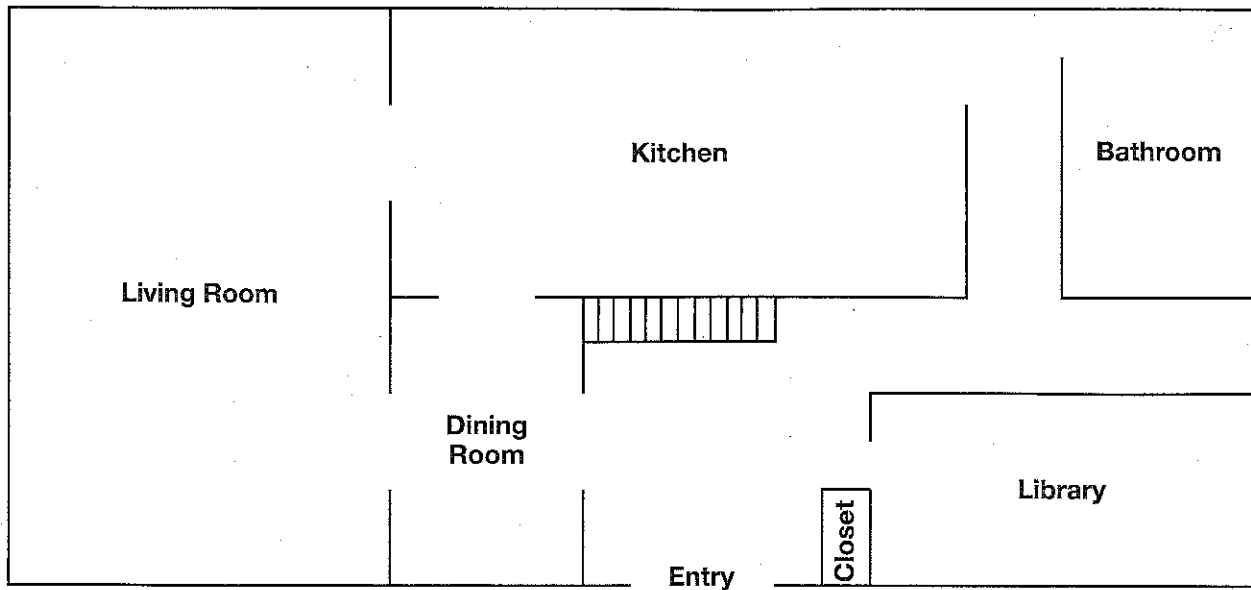


Enrichment 4-2

Scale Drawings



Above is the first floor plan for a new house. The plan is drawn to a scale of 0.5 in. : 4 ft. Use a ruler to measure the necessary dimensions.

1. What are the actual dimensions of the entire first floor?
2. What is the actual size of the passageways into the dining room?
3. What are the actual dimensions of the kitchen?
4. The living room is to have a baseboard around it. How many linear feet will be needed?
5. How many yd^2 of carpeting will be needed to carpet all of the hallways (those areas not part of a specific room excluding the closet)?
6. The dining room walls are 7.5 ft tall. How much wall space will need to be painted?
7. How much wall-to-wall carpeting will be needed in the library?
8. One gal of paint covers 400 ft^2 . How many gal would be needed to paint the kitchen with two coats of paint? The walls of the kitchen are 7.5 ft high. (Don't forget the ceiling.)