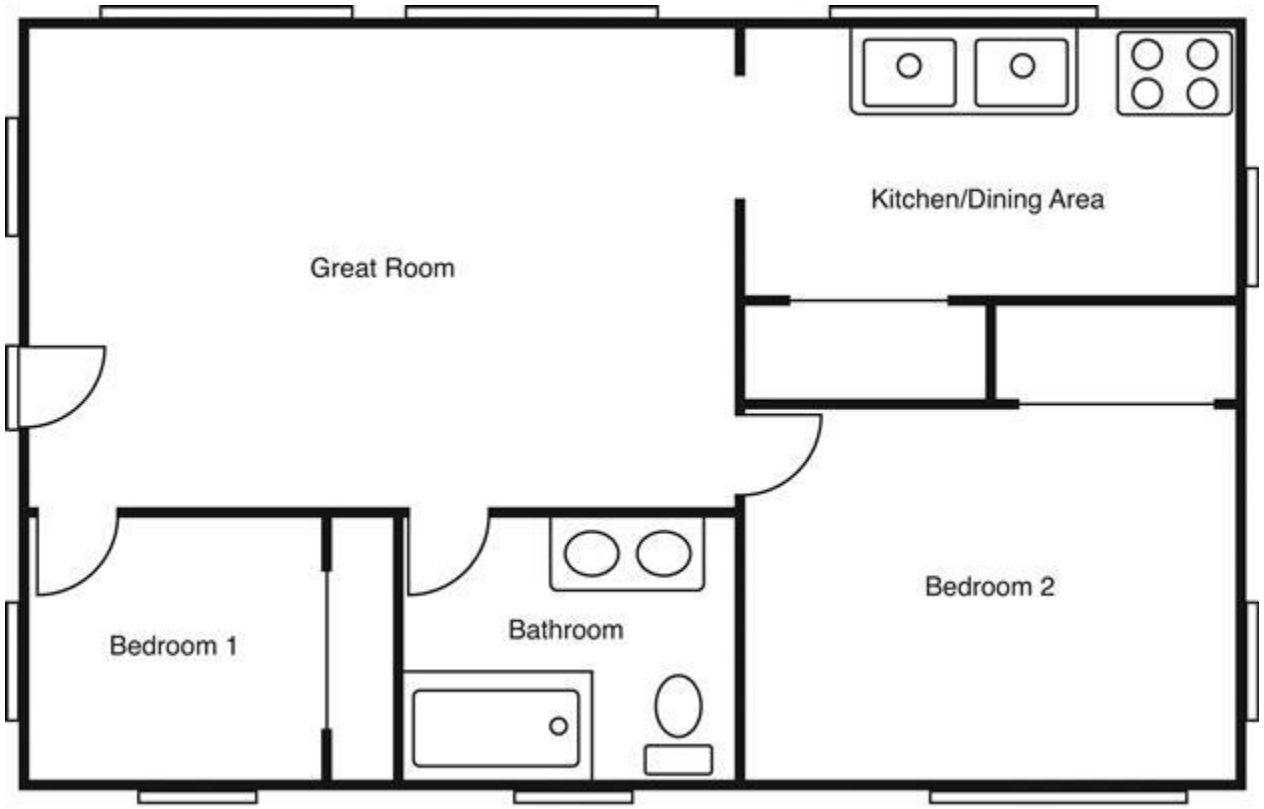
1. An architect is making a floor plan for an apartment. The floor plan will include a Great Room with a length of 30 feet and a width of 20 feet. On her floor plan, $\frac{1}{4}$ inch will represent 1 foot of the room's actual width.



What will be the width of the Great Room, in inches, on her floor plan?

A 5.0 **B** 7.5 **C** 10.0 **D** 20.0

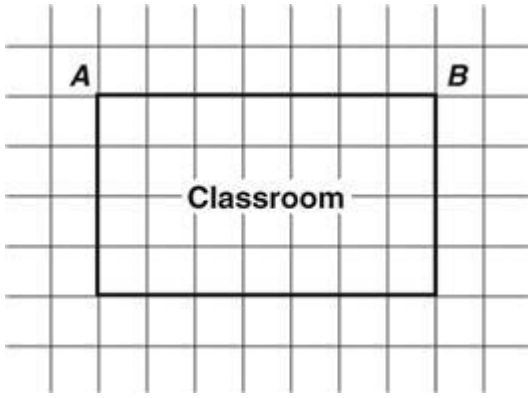
2. An ice hockey coach wants to draw a scale model of the rink in order to explain game strategies to the team. If the actual rink measures 61 meters by 26 meters, which measurements could the coach use for the scale model?

A 48.8 centimeters by 32.5 centimeters
B 61 centimeters by 52 centimeters
C 81 centimeters by 46 centimeters
D 91.5 centimeters by 39 centimeters

3. A blueprint of a house shows a wall that is 5 inches long. If the blueprint is drawn to a scale of 1:60, what is the actual length of the wall in the house?

A $\frac{5}{60}$ feet **B** 12 feet **C** 25 feet **D** 36 feet

4. The side of each square on the grid below represents 5 feet.



How long is the side of the classroom represented by $\overline{AB}$ in the drawing?

A 7 feet **B** 20 feet **C** 30 feet **D** 35 feet

5. The floor plan of a house is drawn to a scale of $\frac{1}{4}$ inch = 2 feet. If the living room measures $3\frac{3}{4}$ inches in length on the floor plan, what is the actual length of the room?

A 30 feet **B** 24 feet **C** 15 feet **D** 6 feet

6. Mrs. Rodriguez has a blueprint of her new house. The actual living room has a width of 20 feet and a length of 24 feet. If the scale used to make the blueprint is $\frac{1}{2}$ inch = 4 feet, what is the length of the living room on the blueprint?

A 2 inches **B** 3 inches **C** 6 inches **D** 12 inches