Name: _____

Scale Drawings and Floor Plans

Solve each problem. Include units.

Learn: Multiply each drawing length by the scale factor to get the real length. Then find the area from the real lengths.

Example: A floor plan uses the scale 1 in = 3 ft. A room is 5.5 in long on the plan. How long is the actual room?

Answer: 16.5 ft

1. A floor plan uses the scale 1 in = 10 ft. A room is 1.5 in long on the plan. How long is the actual room?

   Answer: _____

2. A floor plan uses the scale 1 in = 5 ft. A room is 5 in long on the plan. How long is the actual room?

   Answer: _____

3. A floor plan uses the scale 1 in = 4 ft. A room is 2 in long on the plan. How long is the actual room?

   Answer: _____

4. A floor plan uses the scale 1 in = 2 ft. A room is 3 in long on the plan. How long is the actual room?

   Answer: _____

5. A floor plan uses the scale 1 in = 10 ft. A room is 3.5 in long on the plan. How long is the actual room?

   Answer: _____

6. A floor plan uses the scale 1 in = 4 ft. A room is 6.5 in long on the plan. How long is the actual room?

   Answer: _____

7. A floor plan uses the scale 1 in = 2 ft. A room is 5 in long on the plan. How long is the actual room?

   Answer: _____

8. A floor plan uses the scale 1 in = 3 ft. A room is 2.5 in long on the plan. How long is the actual room?

   Answer: _____

Name: **ANSWER KEY**

Scale Drawings and Floor Plans

Solve each problem. Include units.

Learn: Multiply each drawing length by the scale factor to get the real length. Then find the area from the real lengths.

Example: A floor plan uses the scale 1 in = 3 ft. A room is 5.5 in long on the plan. How long is the actual room?

Answer: 16.5 ft

1. A floor plan uses the scale 1 in = 10 ft. A room is 1.5 in long on the plan. How long is the actual room?

   Answer: 15 ft

2. A floor plan uses the scale 1 in = 5 ft. A room is 5 in long on the plan. How long is the actual room?

   Answer: 25 ft

3. A floor plan uses the scale 1 in = 4 ft. A room is 2 in long on the plan. How long is the actual room?

   Answer: 8 ft

4. A floor plan uses the scale 1 in = 2 ft. A room is 3 in long on the plan. How long is the actual room?

   Answer: 6 ft

5. A floor plan uses the scale 1 in = 10 ft. A room is 3.5 in long on the plan. How long is the actual room?

   Answer: 35 ft

6. A floor plan uses the scale 1 in = 4 ft. A room is 6.5 in long on the plan. How long is the actual room?

   Answer: 26 ft

7. A floor plan uses the scale 1 in = 2 ft. A room is 5 in long on the plan. How long is the actual room?

   Answer: 10 ft

8. A floor plan uses the scale 1 in = 3 ft. A room is 2.5 in long on the plan. How long is the actual room?

   Answer: 7.5 ft