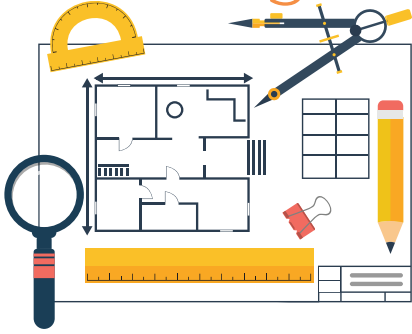


Finding Area From Scale Drawings:

WORD PROBLEMS



The Gonzalez family is planning to build a new home. They are comparing two different floor plans. Use the scales and dimensions to answer each question.

1. The scale of floor plan A is 1 inch = 5 feet.

a. The living room in floor plan A measures 4 inches by 4 inches. What is the actual area of this living room?

400 ft.²

b. The kitchen in floor plan A measures 3.5 inches by 2 inches. What is the actual area of this kitchen?

175 ft.²

c. The largest bedroom in floor plan A measures 3 inches by 3.5 inches. What is the actual area of this bedroom?

262.5 ft.²

2. The scale of floor plan B is 1 inch = 4 feet.

a. The living room in floor plan B measures 4.5 inches by 5 inches. What is the actual area of this living room?

360 ft.²

b. The kitchen in floor plan B measures 3.5 inches by 3.5 inches. What is the actual area of this kitchen?

196 ft.²

c. The largest bedroom in floor plan B measures 3.75 inches by 4 inches. What is the actual area of this bedroom?

240 ft.²