

1. The scale model of a building is 6.5 inches tall. How tall is the actual building if the scale used for the model is 1 inch = 150 feet?

- A** 650 feet **B** 840 feet **C** 900 feet **D** 975 feet

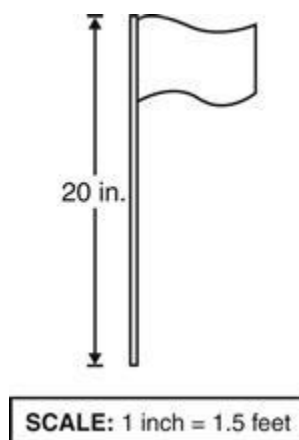
2. Reynaldo is making a model of his school building. The actual building is 28 feet tall and 128 feet long. If the model is 16 inches long, how tall should the model be?

- A** 2.2 in. **B** 3.5 in. **C** 7.3 in. **D** 22.4 in.

3. A lawnmower designer wants to build a lawnmower that measures 3 feet in height, 2 feet in width, and 5 feet in length. She needs to construct a three-dimensional scale model of the lawnmower first. Which measurements are appropriate for the scale model?

- A** 7 inches high, 6 inches wide, and 9 inches long
B 9 inches high, 4 inches wide, and 10 inches long
C 6 inches high, 4 inches wide, and 10 inches long
D 9 inches high, 6 inches wide, and 10 inches long

4. The height of a model flagpole is shown. What is the actual height of the flagpole?

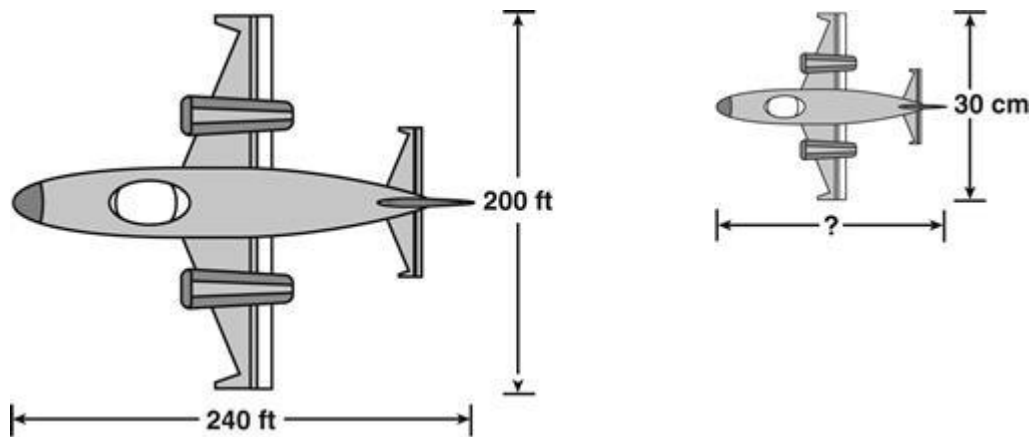


- A** 30 feet **B** 35 feet **C** 40 feet **D** 300 feet

5. Jerry has a miniature model of a boat. He knows that the model is $3\frac{3}{4}$ inches wide and $5\frac{1}{2}$ inches long. What is the actual length of the boat if the actual width is 15 feet?
- A** 25 feet **B** 22 feet **C** 10 feet **D** 9 feet

6. In a photograph, a lighthouse measure 27 centimeters high and 12 centimeters wide. If the actual lighthouse has a width of 8 meters, what is its actual height?
- A** 13.5 meters **C** 23.0 meters
B 18.0 meters **D** 40.5 meters

7. Emma is building a scale model of a jet airplane. The real airplane has a wingspan of 200 feet and a length of 240 feet.



If Emma's model has a wingspan of 30 centimeters (cm), what is the length of the model?

- A** 36 cm **B** 70 cm **C** 80 cm **D** 170 cm