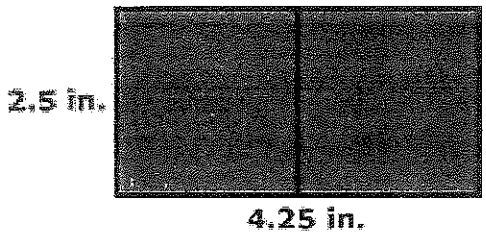
Scale Drawings

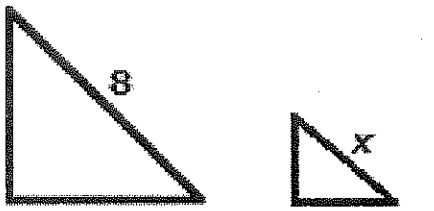
NAME_____

1. The scale drawing of the tennis court shown below is drawn using a scale of 1 inch = 12 feet.



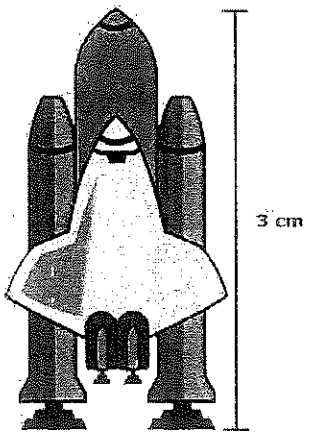
How long would the net have to be, in feet, to stretch from one side of the court to the other, as shown by the centerline?

2. Figure A is a scale image of Figure B, as shown.



The scale that maps Figure A onto Figure B is 1:0.25. Find the value of x.

3. The scale drawing of the space shuttle shown below is drawn using a scale of 1 cm to 25.5 ft. What is the height, in feet, of the space shuttle?

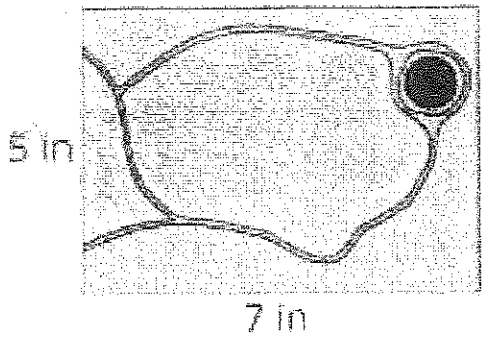


4. A car is 16 feet long. A toy company would like to make a scale model of it. They want to use the scale of 4 feet = 1 cm. How long would the toy car be?

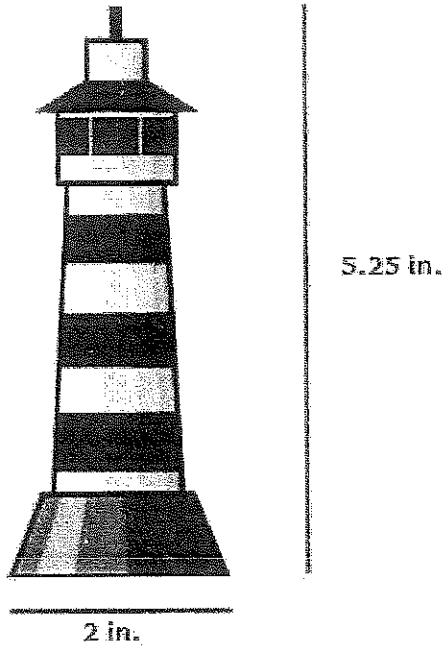
5. A toy manufacturer is going to produce a toy that is a scale model of the giant robot in last summer's super hero movie, where 1 cm = 6 ft. If the robot in the movie was 36 feet tall, what will be the height of the toy?

6. A new sci-fi movie was filmed using a man in rubber monster suit at 7 feet 2 inches tall. The suit was constructed to the scale 1 inch = 5 feet. How tall of a monster is the rubber suit designed to depict?

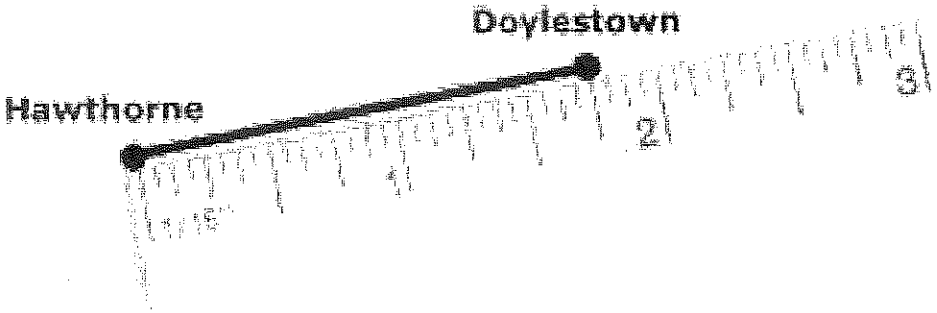
7. A scale drawing of a rectangular park is 5 inches wide and 7 inches long. The actual park is 140 yards long. What is the area of the actual park, in square yards?



8. A figurine of a lighthouse is shown below:
If the actual lighthouse is 30 feet wide, how tall is the lighthouse?



9. The figure below represents the distance between Hawthorne and Doylestown.



If the scale in the drawing is ¼ inch = 3 miles, what is the distance, in miles, between Hawthorne and Doylestown?