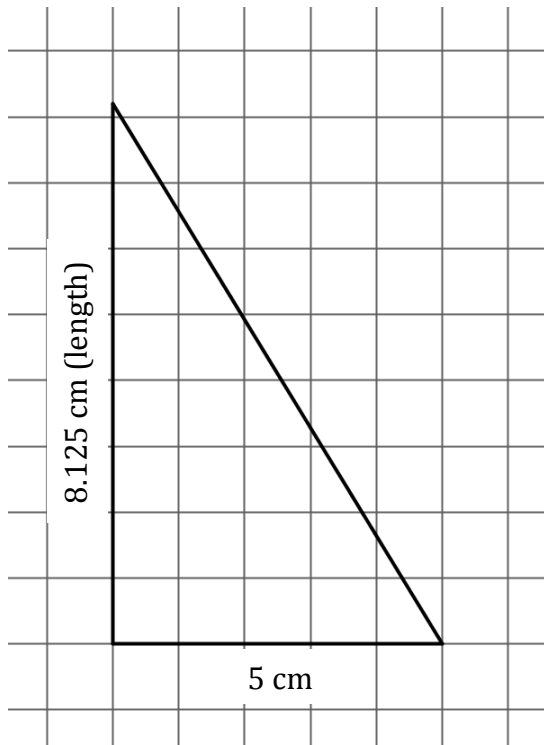


Name _____ Date _____

Many supersonic jet aircraft in the past have used triangular wings called delta wings. Below is a scale drawing of the top of a delta wing.

Scale: 2 centimeters (cm) in the drawing = 192 cm on the actual wing.



1. What is the length of the actual wing? Show all work and explain how you found your answer.

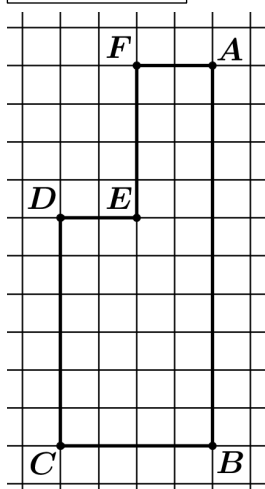
2. What is the area of the actual wing? Show all work and explain how you found your answer.

Name _____ Date _____

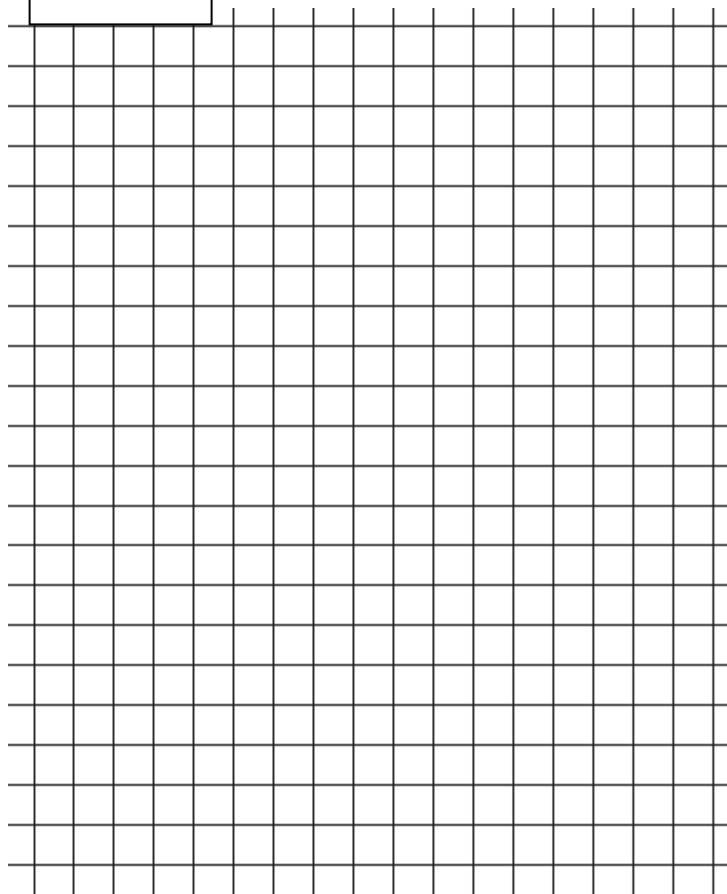
A landscape designer drew a blueprint of a garden she is designing for a client. The length of each square on her current grid is 1 centimeter (cm) and represents a length of 10 feet (ft) in the actual garden.

1. Maintaining the same actual garden dimensions, redraw the blueprint so that 1 cm represents a length of 5 ft in the actual garden.

1 cm:10 ft



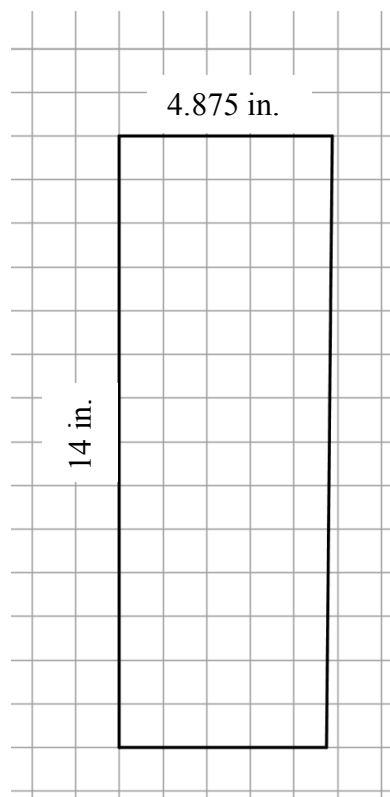
1 cm:5 ft



2. How did the new scale change the length of each side of the figure in the blueprint?

Name _____ Date _____

Each solar array wing on the International Space Station measures 39 feet by 112 feet. The scale drawing of a solar array wing shown below was made using a scale of 1 inch: 8 feet.



1. Write the ratio of the *area of the wing in the drawing* (square inches) to the *area of an actual solar array wing* (square feet) as a unit fraction. Show all work and explain how you found your answer.

2. Explain the relationship between your answer to Question 1 and the scale of the drawing.