✂ --

Name _____   Date _____

1. Cut out the unit squares above. Then, use them to make rectangles for each given number of unit
   squares. Complete the charts to show how many rectangles you can make for each given number of unit
   squares. You might not use all the spaces in each chart.

Number of unit squares = **6**	
Number of rectangles I made: _____	
Width	Length

Number of unit squares = **7**	
Number of rectangles I made: _____	
Width	Length

Number of unit squares = **8**	
Number of rectangles I made: _____	
Width	Length

Number of unit squares = **9**	
Number of rectangles I made: _____	
Width	Length

Number of unit squares = **10**	
Number of rectangles I made: _____	
Width	Length

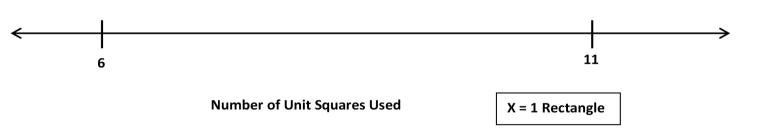| Number of unit squares = **11**	
Number of rectangles I made: _____	
Width	Length

2. Create a line plot with the data you collected in Problem 1.

Number of Rectangles Made With Unit Squares

6   11

Number of Unit Squares Used | X = 1 Rectangle |

a. Luke looks at the line plot and says that all odd numbers of unit squares produce only 1 rectangle. Do you agree? Why or why not?

b. How many X's would you plot for 4 unit squares? Explain how you know.

Answer Key

1. 2, 1, 2, 2, 3; 1, 1, 7; 2, 1, 8, 2, 4; 2, 1, 9, 3, 3; 2, 1, 10, 2, 5; 1, 1, 11

2. Line plot created

   a. No; explanations will vary.

   b. 2; explanations will vary.