

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Cut out the unit squares at the bottom of the page. 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: 2

Width	Length
1	6
2	3

Number of unit squares = 7  
Number of rectangles I made: 1

Width	Length
1	7

Number of unit squares = 8  
Number of rectangles I made: 2

Width	Length
1	8
2	4

Number of unit squares = 9  
Number of rectangles I made: 2

Width	Length
1	9
3	3

Number of unit squares = 10  
Number of rectangles I made: 2

Width	Length
1	10
2	5

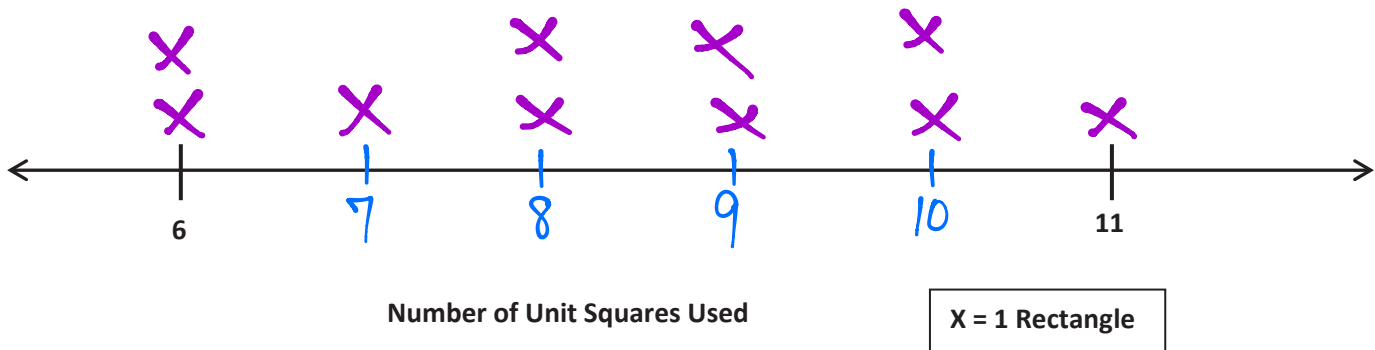
Number of unit squares = 11  
Number of rectangles I made: 1

Width	Length
1	11



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

Number of Rectangles Made With Unit Squares



- 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?

I disagree with Luke because 9 is odd, but it produces 2 rectangles.

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

We would have 2 X's for 4 because 4 unit squares form a 1-by-4 rectangle and a 2-by-2 rectangle.