



Name \_\_\_\_\_

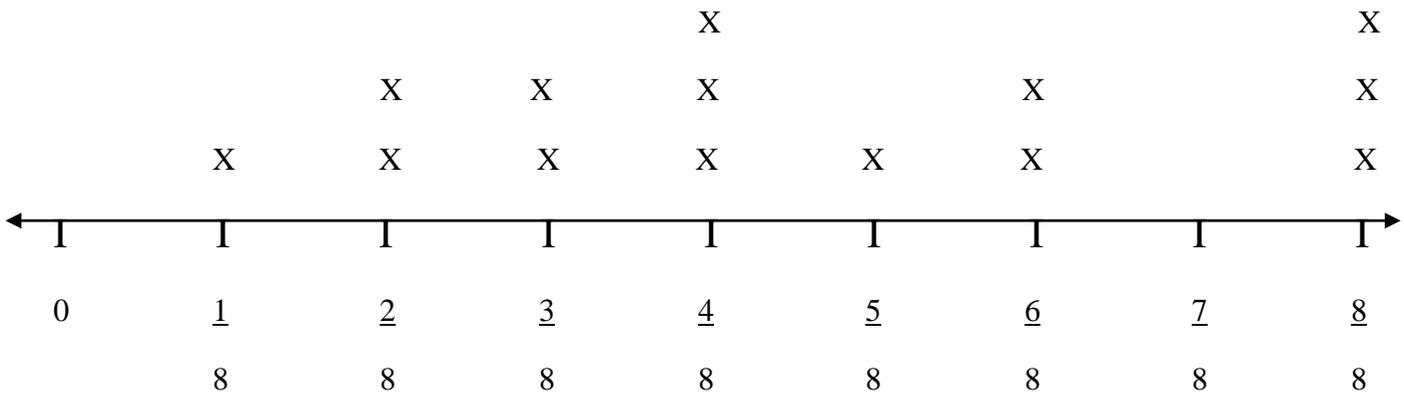
Date \_\_\_\_\_

Please visit [www.worksheetsandwalkthroughs.com](http://www.worksheetsandwalkthroughs.com) for more worksheets on this topic.

**Measurement and Data-Line Plots**  
*Word Problems*  
**(4. MD.4)**

**Directions:** Solve the following word problem using the line plot below.

You measured different objects from your utensil drawer to the nearest  $\frac{1}{4}$ ,  $\frac{1}{2}$ , or  $\frac{1}{8}$  inch. You then displayed your findings on a line plot. How many objects did you measure? How many were  $\frac{1}{4}$  and  $\frac{1}{2}$  inch long? If you placed all of the objects end to end, what would be the total length of the objects?



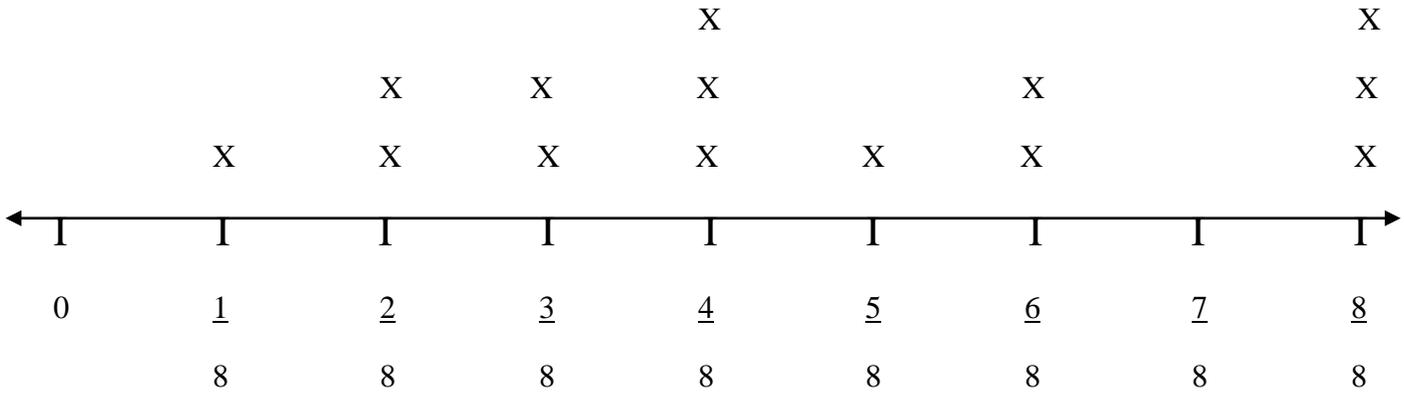
Answer: \_\_\_\_\_



Name \_\_\_\_\_

Date \_\_\_\_\_

### KEY



There are 14 objects.

There are 2 objects that are  $\frac{1}{4}$  in long ( $\frac{2}{8}=\frac{1}{4}$ ).

There are 3 objects that are  $\frac{1}{2}$  in long ( $\frac{4}{8}=\frac{1}{2}$ ).

There is 1 object that is  $\frac{1}{8}$  in long.

Add all of the fractions. You know that  $\frac{8}{8}=1$  whole. There are 3 whole inches. Add the fractions and then add 3 to that.

$$\frac{1}{8} + \frac{2}{8} + \frac{2}{8} + \frac{3}{8} + \frac{3}{8} + \frac{4}{8} + \frac{4}{8} + \frac{4}{8} + \frac{5}{8} + \frac{6}{8} + \frac{6}{8} = \frac{40}{8}$$

$$\frac{40}{8} = 5$$

$$5 + 3 = 8$$

The objects measured 8 inches in length.