Name _____

Another Look!

Mick recorded the lengths of 10 Steller sea lions. Which length occurs most often?

Steller Sea Lion Lengths (in feet)

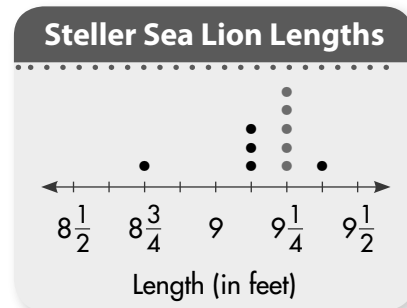|				
$9\frac{1}{4}$	$9\frac{1}{8}$	$8\frac{3}{4}$	$9\frac{1}{4}$	$9\frac{1}{4}$
$9\frac{3}{8}$	$9\frac{1}{4}$	$9\frac{1}{8}$	$9\frac{1}{4}$	$9\frac{1}{8}$

Step 1

Make a frequency table to organize the data.

Value	Tally	Frequency
$8\frac{3}{4}$	|	1
$9\frac{1}{8}$	|||	3
$9\frac{1}{4}$	⊬⊦|	5
$9\frac{3}{8}$	|	1

Step 2

Make a line plot. Draw a dot for each value. Stack dots for values that occur more than once.

Steller Sea Lion Lengths

Length (in feet)

The length $9\frac{1}{4}$ feet occurs most often.

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1. Jacob and his father measured the lengths of scrap wood in their yard. Make a line plot of their data.

Scrap Wood Lengths
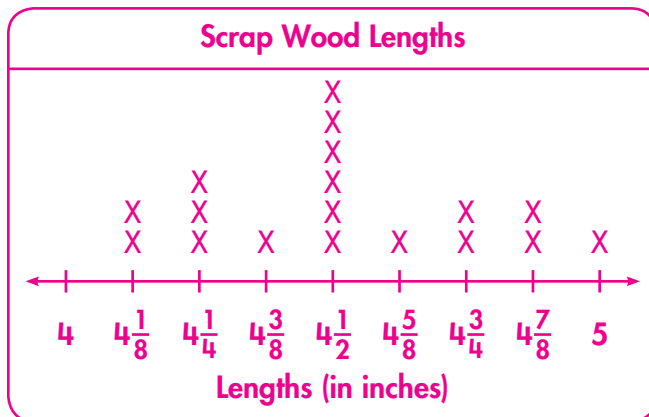
Lengths (in inches)

Scrap Wood Lengths (in inches)

$4\frac{1}{2}$	$4\frac{7}{8}$	5	$4\frac{1}{4}$	$4\frac{1}{2}$	$4\frac{3}{8}$
$4\frac{1}{8}$	$4\frac{1}{2}$	$4\frac{1}{4}$	$4\frac{3}{4}$	$4\frac{1}{2}$	$4\frac{1}{2}$
$4\frac{5}{8}$	$4\frac{3}{4}$	$4\frac{1}{4}$	$4\frac{1}{8}$	$4\frac{1}{2}$	$4\frac{7}{8}$

2. What is the difference between the longest and shortest pieces of scrap wood?
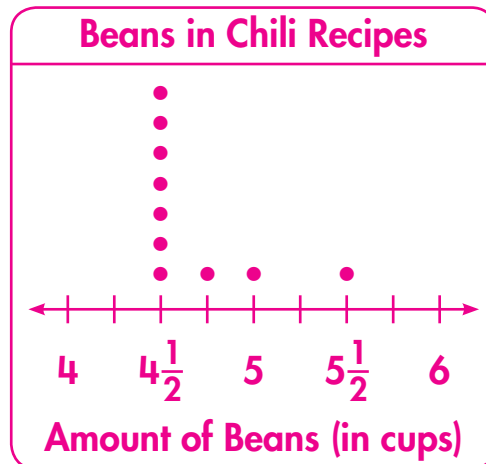
$\frac{7}{8}$ inch

In **3** and **4**, use the table showing data from recipes used in a chili cooking contest.

3. **Make Sense and Persevere** Draw a line plot of the data. **Sample drawing is shown.**

DATA

Cups of Beans in One Batch				
5	$5\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$
$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{1}{2}$	$4\frac{3}{4}$	$4\frac{1}{2}$

Beans in Chili Recipes


Amount of Beans (in cups)

4. **Higher Order Thinking** Suppose the contestants were asked to make two batches of their recipe instead of one batch. Would the value for the amount of beans that occurred most often be different? Explain.

Yes; Sample answer: Each value would double, including the value $4\frac{1}{2}$.

5. A restaurant has $6\frac{1}{2}$ pounds of jalapeño peppers, $4\frac{3}{4}$ pounds of red bell peppers, and $5\frac{1}{4}$ pounds of poblano peppers. How many pounds of peppers does the restaurant have in all? **$16\frac{1}{2}$ pounds**

6. Jessica and her friend measured the lengths of the fish they caught one day. Make a line plot of their data.

DATA

Fish Lengths (in cm)			
10.25	10.50	11.75	12.00
10.75	11.00	11.25	11.50
11.25	11.25	11.50	11.00

Fish Lengths

Length (in cm)
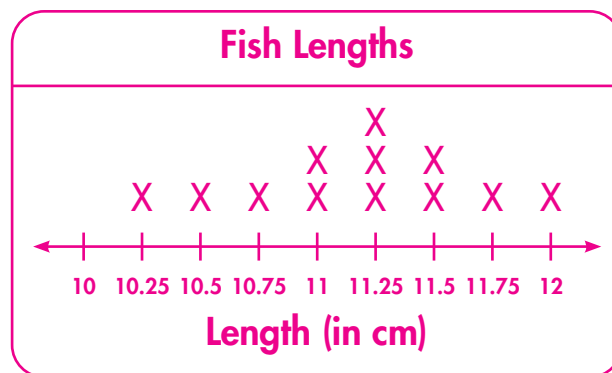
☑ **Assessment Practice**

7. The list below shows the weight in ounces of various rock samples. Use the data to complete the line plot on the right.

$8\frac{1}{4}, 7\frac{1}{2}, 5\frac{1}{4}, 6\frac{3}{4}, 7, 7, 8\frac{1}{4}, 5\frac{1}{4}$,
$5\frac{1}{4}, 7\frac{1}{2}, 7, 7, 6\frac{3}{4}, 7$

Weight of Rock Samples

Weight (in ounces)