Make a Line Plot with Fractions

Name: _____

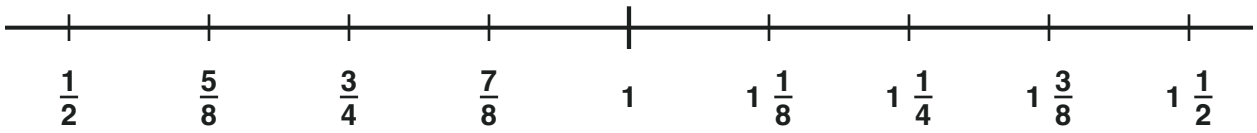
Grade 5 · Plot measurements in eighths of an inch, then add and subtract them

A class measured 12 beetles to the nearest eighth of an inch. These are the lengths in inches.

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

A. Draw an X above the number line for each beetle. Cross each length off as you go.

Lengths of 12 Beetles



Length in inches

B. Use your line plot to answer the questions.

1. Which length is the most common? _____

2. How many beetles are longer than 1 inch? _____

3. What is the difference between the longest beetle and the shortest beetle? _____

4. What is the total length of all the beetles that are $^{3}/_{4}$ inch long? _____

5. What is the total length of the two shortest beetles? _____

6. How much longer is the longest beetle than the most common length? _____

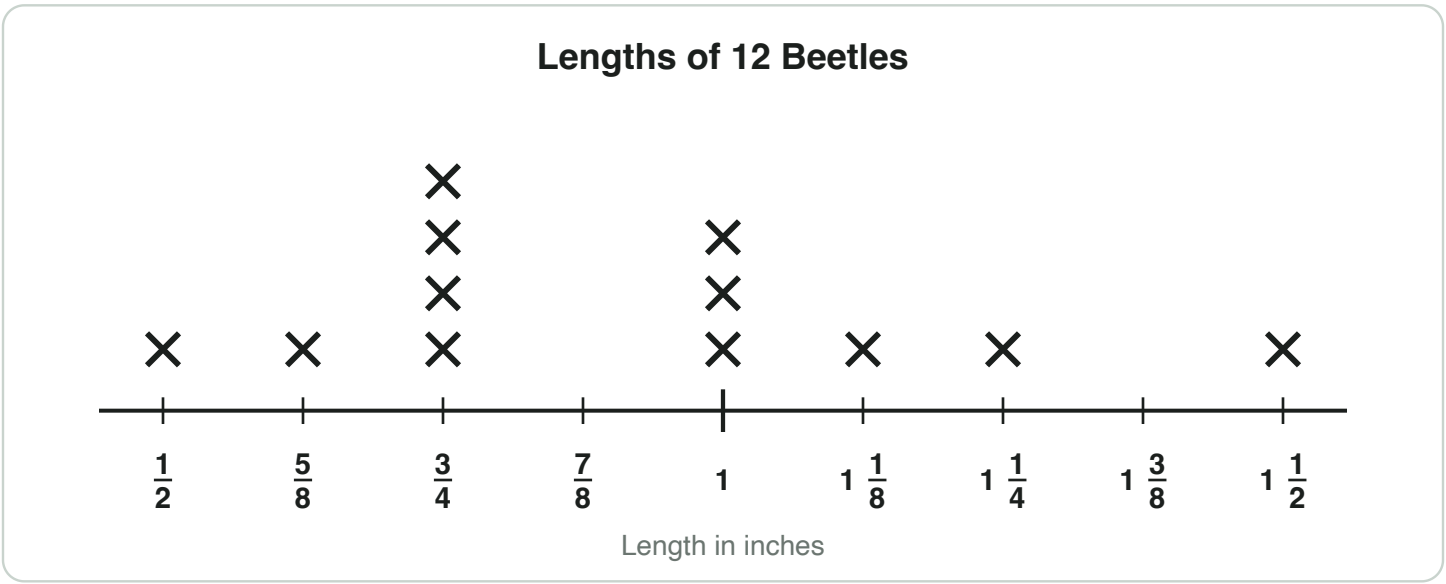
Make a Line Plot with Fractions (Answer Key)

Grade 5 · Plot measurements in eighths of an inch, then add and subtract them

A class measured 12 beetles to the nearest eighth of an inch. These are the lengths in inches.

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A. Draw an X above the number line for each beetle. Cross each length off as you go.



B. Use your line plot to answer the questions.

1. Which length is the most common? **$\frac{3}{4}$ inch**

2. How many beetles are longer than 1 inch? **3 beetles**

3. What is the difference between the longest beetle and the shortest beetle? **1 inch**

4. What is the total length of all the beetles that are $^3/_4$ inch long? **3 inches**

5. What is the total length of the two shortest beetles? **$1\frac{1}{8}$ inches**

6. How much longer is the longest beetle than the most common length? **$\frac{3}{4}$ inch**