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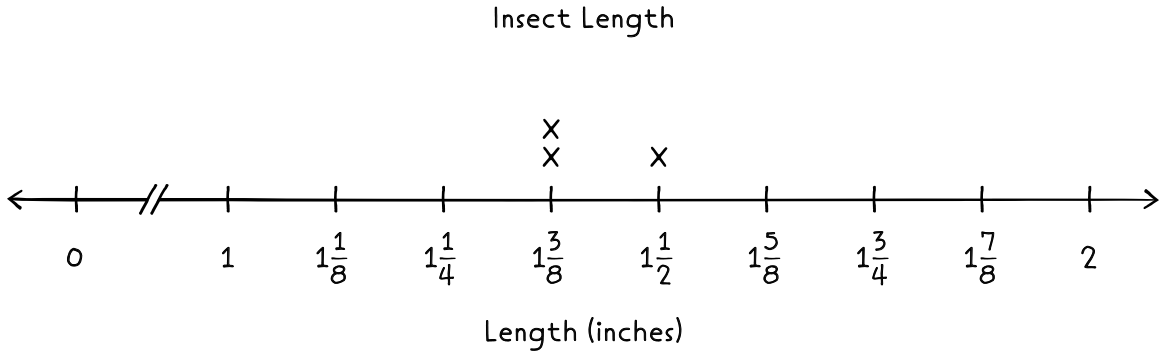
Name _____ Date _____

Sana measures the lengths of one type of insect for a class project. She begins to organize the data on a line plot but is unable to finish her work.

Insect	~~1~~	~~2~~	~~3~~	4	5	6	7	8	9	10	11
Length (inches)	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{3}{8}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{1}{8}$	$1\frac{1}{2}$	$1\frac{7}{8}$	$1\frac{5}{8}$	$1\frac{1}{4}$	2

a. Use the data values in the table that are not crossed off to complete Sana's line plot.



b. How much longer, in inches, is the longest insect than the shortest insect?