

STUDY LINK
7•10

Scouting for Insects



Some insects are harmful to farmers' crops. The insects listed in this table are harmful to alfalfa crops. Farmers scout their crops and randomly collect sample plants. They regularly observe the plants and gather data to determine if the insect population is growing or remaining stable.

The table shows the result of one farmer's insect scouting.

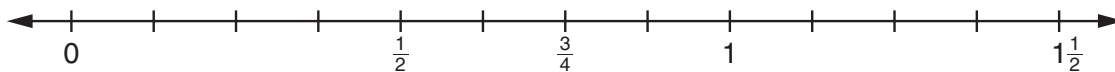
Type of Insect	Average Length of Insect (in.)	Number of Insects
Alfalfa Weevil Larvae	$\frac{3}{8}$	4
Fall Armyworm	$1\frac{1}{4}$	1
Meadow Spittlebug	$\frac{1}{4}$	3
Pea Aphid	$\frac{1}{8}$	6
Potato Leafhopper	$\frac{1}{8}$	6

Plot and label the lengths of the insects from the scouting sample on the line plot below. Use the line plot to find the following data landmarks:

- Minimum insect length _____ in.
- Maximum insect length _____ in.
- Range of insect lengths _____ in.
- Median insect length _____ in.
- Mean insect length _____ in.

Insect Lengths

Number
of
Insects



Average Length (in.)