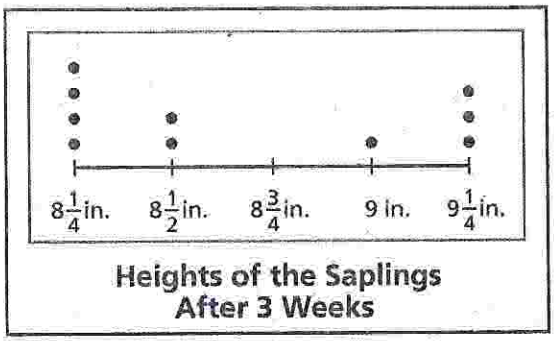
8-7 Name _____ Date _____

Homework

1. Perry is growing maple saplings. After 3 weeks, he measured the saplings to the nearest quarter inch and drew this line plot with the data. Use the line plot to answer questions about the saplings.



Heights of the Saplings After 3 Weeks

a. How many saplings were there?

_____

b. How many saplings were less than 9 inches tall?

_____

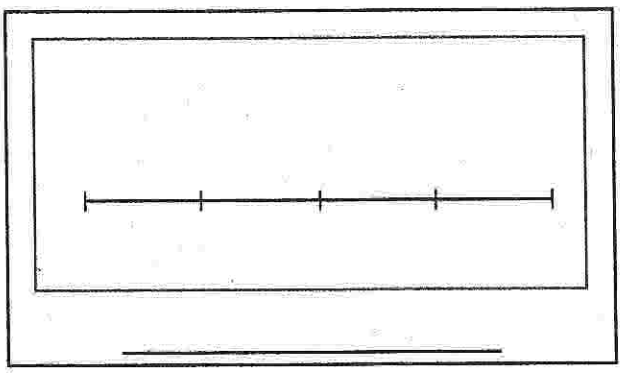
c. What is the combined height of all the saplings?

_____

2. As a volunteer at the animal shelter, Uma weighed all the puppies. She made a list of the weights as she weighed them. The puppies weights were $3\frac{3}{4}$ lb, $4\frac{1}{4}$ lb, $3\frac{1}{2}$ lb, $3\frac{3}{4}$ lb, $3\frac{1}{4}$ lb, $3\frac{3}{4}$ lb, $3\frac{1}{2}$ lb, $4\frac{1}{4}$ lb, and $3\frac{3}{4}$ lb.

a. Draw a line plot of the puppies' weights.

b. Use the line plot to write and answer a question about the data.



_____

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8-7 Name _____ Date _____

Remembering

Write an equation to solve each problem. *Show your work.*

1. At the school bookstore, Harrison purchases 3 notebooks for $2.50 each, 10 pens for $0.35 each, and 5 mechanical pencils for $0.89 each. By what amount (*a*) is the cost of the mechanical pencils greater than the cost of the pens?

_____

2. This week an employee is scheduled to work 6 hours each day Monday through Friday, and $3\frac{1}{2}$ hours on Saturday morning. If the employee's goal is to work 40 hours, how many additional hours (*h*) must he work?

_____

Complete.

3. 6 T = _____ lb **4.** 3 lb = _____ oz **5.** _____ oz = 5 lb

6. 5,000 lb = _____ T **7.** 8 lb = _____ oz **8.** 20,000 lb = _____ T

Write a mixed number in simplest form to represent the number of pounds equivalent to each number of ounces.

9. 66 oz = _____ lb **10.** 52 oz = _____ lb **11.** 24 oz = _____ lb

12. 76 oz = _____ lb **13.** 82 oz = _____ lb **14.** 46 oz = _____ lb

15. **Stretch Your Thinking** List three different real world situations in which a line plot would be the best choice to organize and display the data.

_____

_____

_____

_____