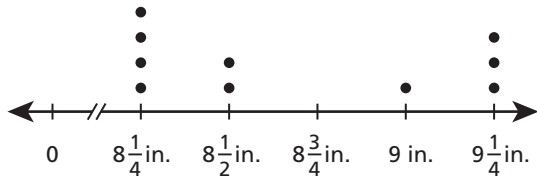


- 1 Perry is growing maple saplings. After 3 weeks, he measured the saplings to the nearest quarter inch and drew this line plot with the data. Use the line plot to answer questions about the saplings.



**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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\_\_\_\_\_

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.

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