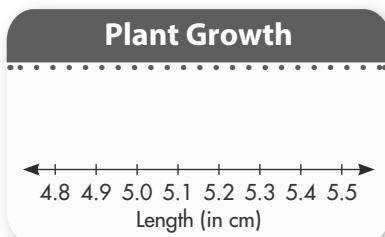Name _____

Another Look!

For an experiment, Bea recorded how much each of 14 seedlings grew in one month. She made a line plot to show the data. Which value occurred most often?

DATA

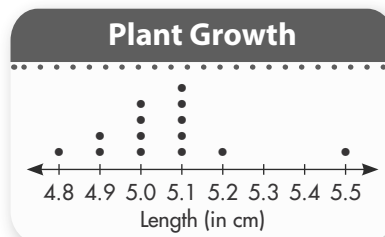| Plant Growth (in cm)						
5.1	5.5	4.9	4.8	5.0	5.1	5.1
5.0	4.9	5.1	5.0	5.1	5.0	5.2

Step 1

Read the labels on the line plot. Values are listed in order on a number line.
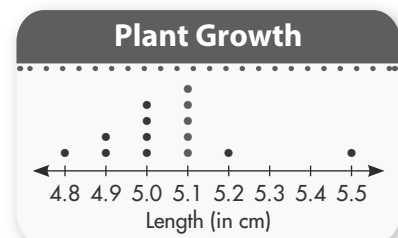
Plant Growth

4.8 4.9 5.0 5.1 5.2 5.3 5.4 5.5
Length (in cm)

Step 2

Each dot stands for one time the value occurred. Dots are stacked when a value occurs more than once.

Plant Growth

4.8 4.9 5.0 5.1 5.2 5.3 5.4 5.5
Length (in cm)

Step 3

Use the dot plot to solve.

Plant Growth

4.8 4.9 5.0 5.1 5.2 5.3 5.4 5.5
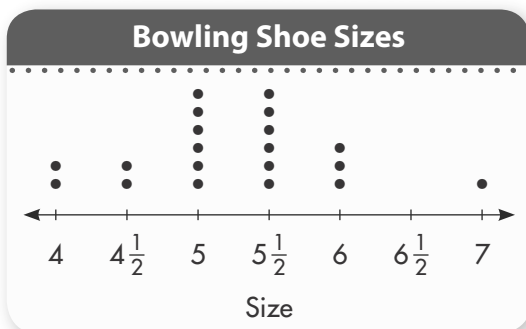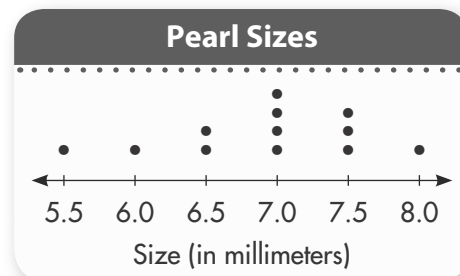Length (in cm)

The value of 5.1 has the most dots, so 5.1 cm growth occurred most often.

In **1–4**, use the line plots to solve.

1. Ani and her friends recorded their bowling shoe sizes. Which two bowling shoe sizes occurred most often?

Bowling Shoe Sizes

4 $4\frac{1}{2}$ 5 $5\frac{1}{2}$ 6 $6\frac{1}{2}$ 7
Size

2. A pearl diver recorded the sizes of the pearls in a batch. Which three pearl sizes occurred least often?

Pearl Sizes

5.5 6.0 6.5 7.0 7.5 8.0
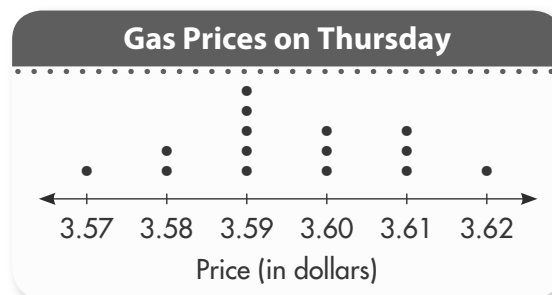Size (in millimeters)

3. In Exercise 1, how many of Ani's bowling friends have size $6\frac{1}{2}$ shoes? Explain how you know.

4. In Exercise 2, how many pearls were in the batch? Explain how you know.

5. On Thursday, Cole collected data on the gas prices at different gas stations. How many gas stations are in Cole's data set?

6. Which gas price occurred most often?

7. Cole bought 10 gallons of gas at the gas station with the lowest price. He paid with two $20 bills. Write and solve an equation to find his change.

8. Steve bought 10 gallons of gas at the gas station with the highest price. How much more than Cole did he pay for gas?

DATA

Prices of One Gallon of Gas on Thursday (in dollars)

3.61	3.60	3.59	3.58	3.59
3.59	3.60	3.61	3.62	3.61
3.58	3.57	3.59	3.60	3.59

Gas Prices on Thursday

Price (in dollars)

9. Be Precise Mrs. Dugan plans to serve 100 barbecue sandwiches at the company picnic. How many packages of barbecue buns will she need if buns come in packages of 8? Packages of 12?

10. Algebra Janet had $9.25 this morning. She spent $4.50 for lunch, and then spent $3.50 on school supplies. Write and solve an equation to find m, the amount of money Janet had left at the end of the day.

☑ Assessment Practice

11. Use the line plot at the right. How much older is the oldest player than the youngest player?

Ⓐ $\frac{1}{2}$ year

Ⓑ $1\frac{1}{2}$ years

Ⓒ 2 years

Ⓓ 11 years

Age of Soccer Club Players

Age in Years