NAME _____

Date _____   Period _____

✓ Vocabulary and Concept Check

1. **VOCABULARY** What is a statistical question? Give an example.

2. **CRITICAL THINKING** What process can you use to answer a statistical question?

3. **NUMBER SENSE** The results of a survey are shown in the table. Did the survey ask a statistical question? Explain.

Miles			
6	1	9	2
2	5	4	9
8	10	6	6
5	1	8	1

Answer the question. Tell whether your answer would be the same as your classmates'.

4. How many inches are in 1 foot?

5. How many pets do you have?

6. On what day of the month were you born?

7. How many senators are in Congress?

Determine whether the question is a statistical question. Explain.

8. What is the eye color of sixth grade students?

9. At what temperature (in degrees Fahrenheit) does water freeze?

10. How many pages are in the favorite books of students your age?

11. How many hours do sixth grade students use the Internet each week?

Display the data in a dot plot. Identify any clusters, peaks, or gaps in the data.

12.

Number of Fouls					
2	1	2	0	0	2
2	1	6	1	1	0

⟵──────────────────────⟶
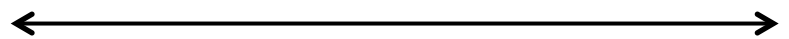
Cluster(s):   Peak(s):   Gap(s):

13.

Camper Registrations				
21	25	25	22	21
23	24	26	25	16
24	26	22	25	22

⟵──────────────────────⟶

Cluster(s):   Peak(s):   Gap(s):

14.

Years			
2011	2008	2013	2009
2009	2010	2010	2009
2010	2012	2009	2010

←—————————————————————————————→

Cluster(s):   Peak(s):   Gap(s):

15.

Test Scores				
85	80	83	90	88
82	83	81	80	89
89	84	86	87	83

←—————————————————————————————→

Cluster(s):   Peak(s):   Gap(s):

17. EARTHWORMS The dot plot shows the lengths of earthworms.

Length

15 16 17 18 19 20 21 22 23 24 25 26 27 28
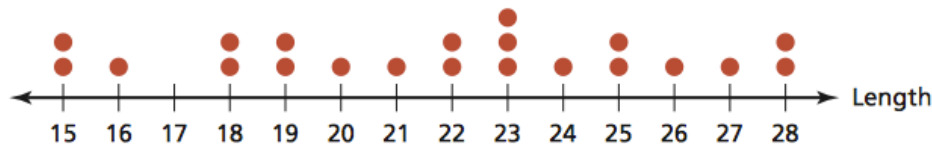
a. How many earthworms does it represent?

b. How can you collect these data? What are the units?

c. Write a statistical question that you can answer using the dot plot. Then answer the question.

18. BASKETBALL The vertical dot plot shows the heights of the players on a recent NBA championship team.

a. How many players were on the team?

b. How can you collect these data? What are the units?

c. Write a statistical question that you can answer using the dot plot. Then answer the question.