



PRACTICE



TUTORIAL

Name: _____

Practice & Problem Solving

Scan for
Multimedia

In 8 and 9, write a statistical question that you could ask to gather data on each topic.

8. Number of pets classmates own

9. Heights of different household plants



10. Kim asked her classmates, *How many siblings do you have?* She collected the following responses: 0, 1, 2, 1, 2, 0, 3, 1, 0, 5, 5, 1, 3, 1, 0, 2, 4, 1, 3, 0. Make a dot plot to display the data.

11. Sergei asked his classmates, *Will you take Spanish or French next year?* He collected these responses: 15 classmates chose Spanish and 13 chose French. Make a frequency table to display the data.

12. Is the following a statistical question? Explain.
How many plays do students see in a year?

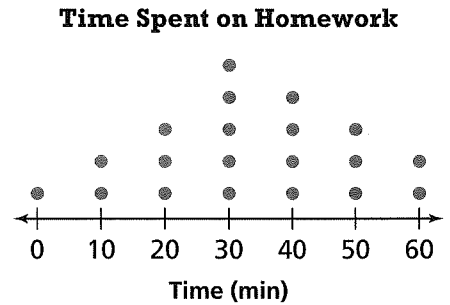
13. Is the following a statistical question? Explain.
How do shoppers in a town pay for groceries?



In 14 and 15, use the dot plot at the right.

14. **Make Sense and Persevere** What statistical question could have been asked to collect the data shown in the dot plot?

15. **Higher Order Thinking** If the data in the dot plot show how many minutes students spent on homework the previous night, how many hours in all did these students spend doing homework? Did a typical student from this group spend more or fewer than 20 minutes on homework?



16. **Vocabulary** Wyatt says that a *statistical question* must have a numerical answer. Do you agree with Wyatt? Explain.

17. **Reasoning** Ms. Miller asks parents, *Do you support switching to a new lunch vendor for our school program?* How many different responses could she get? Is this a statistical question?

✔ Assessment Practice

18. Ms. Williams asked each student in her class these two questions:
- *How many digits are in a phone number, including the area code?*
 - *In a typical week, on how many days do you spend some time watching television?*

PART A

Which of the questions that Ms. Williams asked is a statistical question? Explain.

PART B

The results of the statistical question that Ms. Williams asked are shown below. Make a bar graph to display the data.

2	3	0	5	4	1	2	3	7	2
1	6	0	2	2	1	3	4	3	4