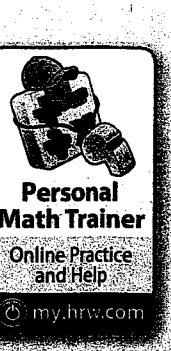
YOUR TURN

6. Find the mean, median, and range of the data from Your Turn question 4. What is the typical number of runs the team scores in a game? Justify your answer.

_____

_____

_____



Guided Practice

HW #60 1-10

Tell whether the situation could yield variable data. If possible, write a statistical question. (Explore Activity)

1. The town council members want to know how much recyclable trash a typical household in town generates each week.

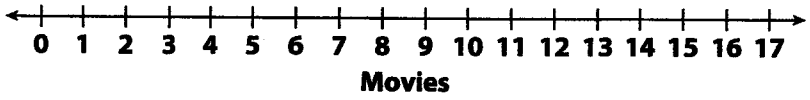
_____

_____

Kate asked some friends how many movies they saw last winter. Use her data for 2 and 3.

Movies Seen Last Winter
0, 1, 1, 2, 2, 3, 3, 3, 4, 4, 4, 4, 5, 5, 5, 5, 6, 6, 7, 7, 7, 8, 8, 9, 9, 17

2. Make a dot plot of the data. (Example 1)



3. Find the mean, median, and range of the data. (Example 3)

_____

4. Describe the spread, center, and shape of the data. (Example 2)

_____

_____

ESSENTIAL QUESTION

5. What are some measures of center and spread that you can find from a dot plot? How can making a dot plot help you visualize a data distribution?

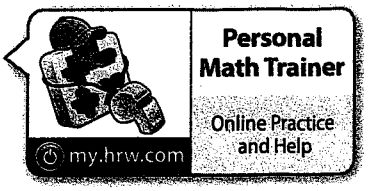
_____

_____

Name _____ Class _____ Date _____

16.4 Independent Practice

CA CC 6.SP.1, 6.SP.2, 6.SP.4, 6.SP.5c, 6.SP.5d



6. Vocabulary Describe how a statistical question yields an answer with variability. Give an example.

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_____

_____

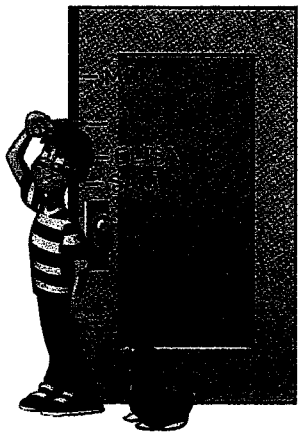
_____

For 7–10, determine whether the question is a statistical question. If it is a statistical question, identify the units for the answer.

7. An antique collector wants to know the age of a particular chair in a shop.

_____

8. How tall do the people in your immediate and extended family tend to be?



_____

_____

9. How tall is Sam?

_____

10. How much did your classmates typically spend on music downloads last year?

_____

For 11–14, use the following data. The data give the number of days of precipitation per month during one year in a city.

12 10 11 9 9 10 12 9 8 7 9 10

11. Make a dot plot of the data.

12. What does each dot represent? How many months are represented?

_____

_____

13. Describe the shape, center, and spread of the data distribution. Are there any outliers?

_____

_____

_____

14. Find the mean, median, and range of the data.

_____

_____

15. What If? During one month there were 7 days of precipitation. What if there had only been 3 days of precipitation that month? How would that change the measures of center?

_____

_____

_____

_____