

Name: _____ #: _____

Math, Period: _____

Date: _____

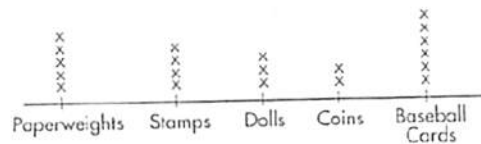
Topic 19 Test Review

Identify each of the following types of graphs or tables. Make sure you understand the appropriate times to use each of the following.

Top 5 names in Hills City, 2006

Jacob	26
Emily	15
Michael	15
Madison	21
Ethan	8

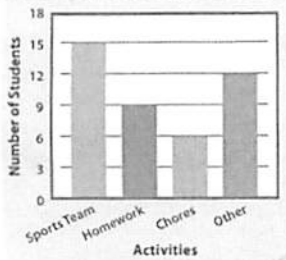
Students in Ms. Young's Class



1. _____

2. _____

After-School Activities



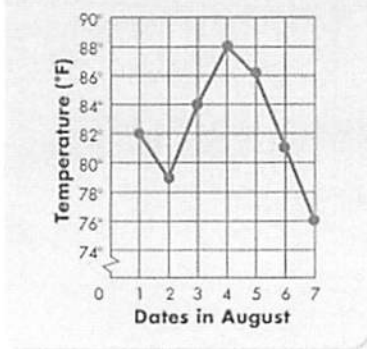
Rubber Duck Derbies, 2006



3. _____

4. _____

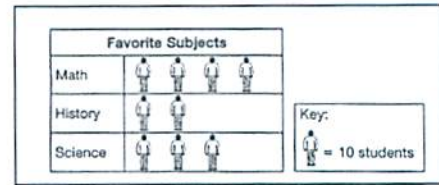
High Temperatures in Chicago



5. _____

6. What is the scale on the line graph?
7. What are the intervals on the line graph?
8. Time is always recorded on which axis?







9. Convert this picture graph into a bar graph?



10. Why is a bar graph the appropriate graph choice above?

* Tanya gathered data about the number of participants in pie-eating contests across Texas. She drew a picture graph to display the data. *
 Use Tanya's pictograph below to answer questions 3 through 5.

Pie-Eating Contests, 2007

Location	Number of Participants
Alpine	
Austin	
Dallas	
El Paso	
Galveston	
Houston	

Key:  = 1,000 pie-eaters

11. What is the difference between the city with the greatest number of participants and the least number of participants?

12. If a contest in Del Rio had 3,500 participants, how many pie symbols would be pictured in Tanya's graph?

13. How many total participants were in pie-eating contests across Texas in 2007?

Name: _____ #: _____

Math, Period: _____

Date: _____

14. What type of graph would be most appropriate to display the total amount of money Henry earned working over 5 days?

- A picture graph B line graph C circle graph D bar graph

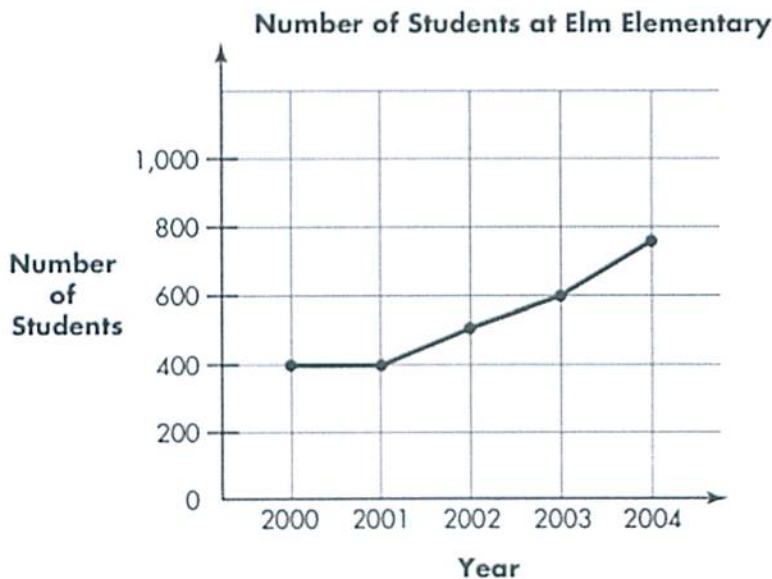
15. What type of graph would be most appropriate to compare the populations of 4 cities?

- F picture graph G line graph H circle graph J bar graph

16. What type of graph would be most appropriate to display the change in height of a child over many years?

- A picture graph B line graph C circle graph D bar graph

* Writing to Explain Use the line graph to answer the questions. (17-19) *



17. Describe the trend in the number of students at Elm Elementary between 2000 and 2004.

18. How many more students were at the school in 2003 than in 2000?

19. Could this data be displayed on a bar graph? Is a bar graph or line graph more appropriate? Explain.

19. Chen's class took a survey on how many minutes it took each student to get to school. The results are below:

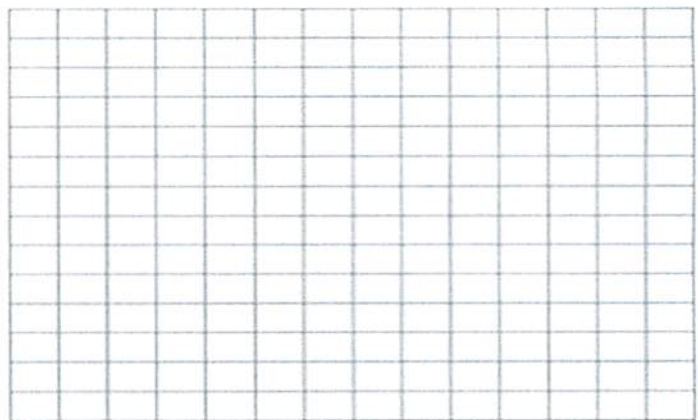
12 14 5 22 18 12 12 6 14 18 12 5 11

20. What are the highest and lowest times?

21. Make a line plot to display the data from Ms. Chen's class.

* Use the frequency table to make a graph, then answer the questions. *

Number of Library Books Read	
Month	Books
September	40
October	33
November	42
December	33
January	67



22. What scale would you use?

23. What intervals would you use?

24. Describe the trend from December to January.

Name _____

Median, Mode, and Range

25. Find the range of this data set: 225 342 288 552 263. _____
26. Find the median of this data set: 476 234 355 765 470. _____
27. Find the mode of this data set:
16 7 8 5 16 7 8 4 7 8 16 7. _____
28. Find the range of this data set:
64 76 46 88 88 43 99 50 55. _____
29. **Reasoning** Would the mode change if a 76 were added to the data in Exercise 4?

The table gives the math test scores for Mrs. Jung's fifth-grade class.

76	54	92	88	76	88
75	93	92	68	88	76
76	88	80	70	88	72

Test Scores

30. Find the mean of the data. _____
31. Find the mode of the data. _____
32. Find the median of the data. _____
33. What is the range of the data set? _____
34. Find the range of this data set: 247, 366, 785, 998.
A 998 B 781 C 751 D 538

35. **Writing to Explain** Will a set of data always have a mode? Explain your answer.

