Unit:	Statistics
Revie	ewCCSS

Name	See the Control of th		
Date		Pd	

STATISTICS UNIT STUDY GUIDE

Solve each of the problems below. These represent the types of questions on your test. Be sure to ask questions if you need more help with a topic.

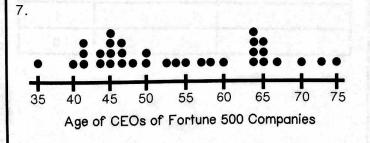
question to make it statistical. size shoes do you wear?
size shoes do you wear?
ast can a sixth grader run a mile?
is your favorite type of food?

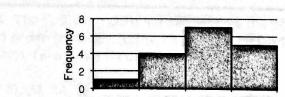
8.



6.SP.2

Describe the overall shape, spread, and center of each graph below.





Basketball Points

40-44 45-49 50-54 55-60 Number of Points Scored

12. The following data set represents the number of siblings of six students in music class.

NUMBER OF SIBLIN9S	DEVIATION FROM MEAN	ABSOLUTE DEVIATION FROM MEAN
3		
2		
4		
2		
1		
0		

13. The following data set represents the number of students in the Monday swim classes.

8, 6, 4, 3, 8, 9, 6, 5, 2, 8

14. The following data set represents the cost of an order (rounded to the nearest dollar) in the Chick-fil-a drive thru.

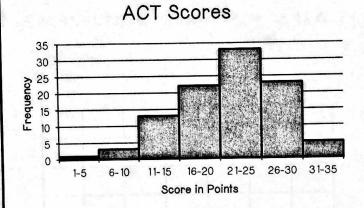
10, 21, 34, 12, 6, 3, 14, 18, 22, 29, 9, 2, 15, 12, 18

Mean: _____ MAD: _____

I CAN SUMMARIZE DATA SETS.

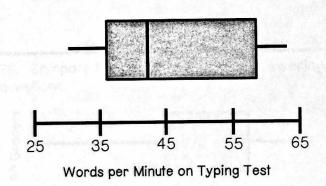
15. Use the data below to answer the questions.

A. How many ACT scores were included in the data?



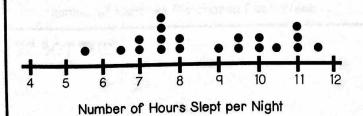
- B. Which measure of center is appropriate for this data? Why?
- C. Estimate the mean of the data. Which interval would it fall within?

- 16. Use the data below to answer the questions.
- A. Estimate the minimum and maximum number of words typed.



- B. What measure of variability is appropriate for this data? Why?
- C. Estimate the IQR of the data.

- 17. Use the data below to answer the questions.
- A. Describe the patterns in the data.



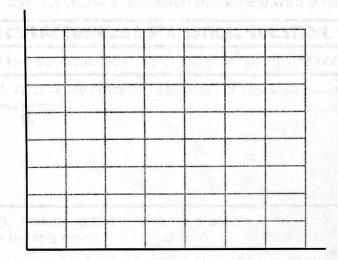
- B. Determine the mean number of hours slept each night.
- C. Determine the median number of hours slept each night.
- D. How do the mean and median differ?

I CAN DISPLAY DATA ON DOT PLOTS, HISTOGRAMS, AND BOX PLOTS.

6.SP.4

18. Use the list of scores below to create a histogram displaying the grade students received on their science fair project.

66, 89, 93, 81, 72, 78, 70, 55, 96, 84, 94, 92, 81, 86, 79



19. The following data set represents the number of hours students spend on their science fair project. Create a five-number summary and box plot to display the data.

8, 4, 14, 12, 5, 11, 8, 9, 7, 9

Min: _____ Q1: ____ Med: _____

Q3: _____ Max: ____

20. Compare the box plots below by answering the questions.

Number of Lunches Purchased Each Week

qth Graders

- A. How did the minimum and maximum scores compare?
- B. What conclusions can you draw about the number of lunches purchased each week?
- C. Describe how the IQR varies from 1st to 9th grade.

I've 90T THIS:

Graders

I NEED TO STUDY:

Unit:	Statistics
Revie	ew

Name		
Date	there was not present	Pd

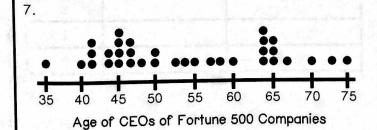
STATISTICS UNIT STUDY GUIDE

Solve each of the problems below. These represent the types of questions on your test. Be sure to ask questions if you need more help with a topic.

I CAN RECOGNIZE A STATISTICAL QUESTION. Mark each question as statistical or not. If it is not, rewrite the question to make it statistical.		
3. How many books have the students in my class read this month?	4. How fast can a sixth grader run a mile?	
5. How many times do you go to PE each week?	6. What is your favorite type of food?	
	97.6,19,2.6,9.6,5.2.5	



Describe the overall shape, spread, and center of each graph below.



Basketball Points

8
6
6
4
2
0
40-44
45-49
50-54
55-60

Number of Points Scored

I CAN FIND THE MEASURE OF CENTER. 10. The following data set represents the average 9. The following data set represents the number of high monthly temperature in Denver, CO. dollars twenty customers withdrew at an ATM. 44, 46, 54, 61, 71, 81, 88, 86, 77, 65, 52, 43 Number of 20 40 60 80 100 120 140 Dollars 10 5 2 Frequency Mean: _____ Median: _____ Mean: _____ Median: _____ I CAN FIND THE MEASURE OF VARIABILITY. 13. The following data set represents the number 12. The following data set represents the number of students in the Monday swim classes. of siblings of six students in music class. ABSOLUTE DEVIATION FROM 8, 6, 4, 3, 8, 9, 6, 5, 2, 8 DEVIATION FROM MEAN NUMBER SIBLIN9S MEAN 3 2 4 Q1: _____ Q3: ____ IQR: ____ 2 1 14. The following data set represents the cost of 0 an order (rounded to the nearest dollar) in the Chick-fil-a drive thru.

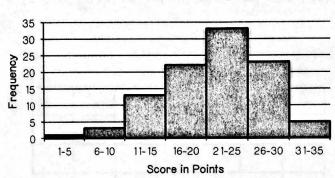
Mean: _____ MAD: _____

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I CAN SUMMARIZE DATA SETS.

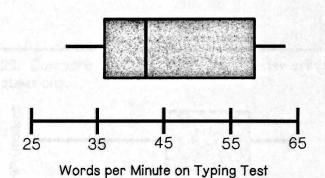
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- A. How many ACT scores were included in the data?

ACT Scores



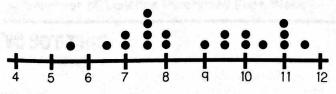
- B. Which measure of center is appropriate for this data? Why?
- C. Estimate the mean of the data. Which interval would it fall within?

- 16. Use the data below to answer the questions.
- A. Estimate the minimum and maximum number of words typed.



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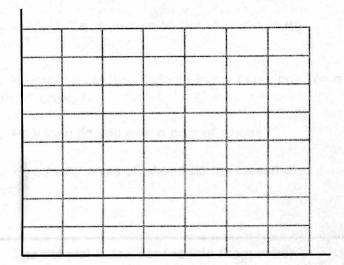


- Number of Hours Slept per Night
- B. Determine the mean number of hours slept each night.
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- D. How do the mean and median differ?

I CAN DISPLAY DATA ON DOT PLOTS, HISTOGRAMS, AND BOX PLOTS.

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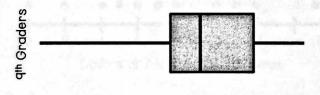
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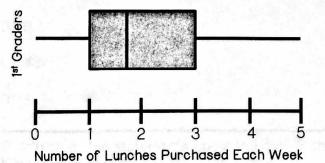
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I've 90T THIS:

I NEED TO STUDY: