DIGITAL

	Test B	Module 19		
Fill in the blanks with the	term that best completes each statem	ient.		
1. The average of a set of				
2. A circle graph is often c	alled a			
	ot, the lower 25% of the data and the uppe	er 25% of		
	y the			
4. The quartiles are the	of each half of th	he data set.		
5. If the data in a set is sp	read out, the deviation will be			
Determine whether the fo				
6. It is possible to have mo				
7. It is possible to have mo				
8. It is possible to have mo				
9. The values in a data set	The values in a data set must be in order to find the median.			
LO. The median and mode of				
11. Absolute deviation from				
12. The sum of the absolute	/e			
13. A line graph uses line se	_			
L4. In a box-and-whisker plo				
15. The independent variabl	ntal axis			
Choose the correct respo	onse to complete each of the following:	:		
L6. The middle value of a da a. mean b. me	ata set, when arranged in order, is the edian c. mode d. range			
	nd-leaf plot, the part represented by the lea e last digit c. all except the d. all excep first digit last digi	pt the		

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Module 19

Test B

DIGITAL

18.	18. The best graph to show trends in data is a				
	a. line graph	b. bar graph	c. circle graph	d. scatter plot	
19.	The best graph to	o compare parts to	the whole is a		
	a. line graph	b. bar graph	c. circle graph	d. scatter plot	
20. A positive slope between points on a line graph indicates					
	a. an increase	b. a decrease	c. no change	d. a sharp change	
21.	A horizontal line s	oh indicates			
	a. an increase	b. a decrease	c. no change	d. a sharp change	
22.)° represents				
	a. 25% of	b. 50% of	c. 75% of	d. 100% of	
	the data	the data	the data	the data	
23.		ta within the range			
	a. 25%	b. 50%	c. 75%	d. 100%	
24. If the relationship between two sets of data is such that the dependent variable is increasing as the independent variable is increasing, then the correlation					
	_	-			
	a. is positive	b. is negative	c. does not exist; no correlation	d. cannot be determined	
				determined	
25.	A line of fit can be				
	a. describe trends of data	 b. make predictions 	c. demonstrate correlations	d. all of the above	
26	The number of se	conds required to	accelerate from Ω	to 60 mph is given for	
20.		•		0.2, 10.7}. Find the	
	a. mean			b. median	
	c. mode			d. deviations from the mean	
	e. mean absolute deviation			f. minimum and maximum	
	g. Q ₁			h. Q ₃	
	i. range			j. interquartile range	
	k. stem-and-leaf p	blot		I. box-and-whisker plot	

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Module 19

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Test B

27. The purse, in thousands of dollars, to the winners of the Masters golf tournament for several years is given as follows: 1989 was \$200; 1990 was \$225; 1991 was \$243; 1992 was \$270; 1993 was \$306; 1994 was \$360; 1995 was \$396; 1996 was \$450; 1997 was \$486; 1998 was \$576 1999 was \$720; 2000 was \$828; 2001 was \$1008; 2002 was \$1008; and 2003 was \$1080.

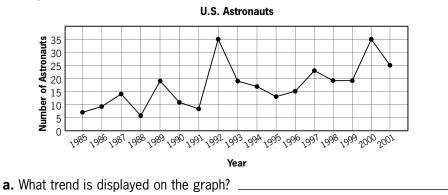
a. Create a scatter plot.

b. What type of correlation does the graph represent?

c. Draw a line of fit. List two possible points of the scatter plot through which

it crosses. _

28. The line graph shows the number of U.S. astronauts in the space program each year.



b. In which two years were there the most U.S. astronauts in the space program?

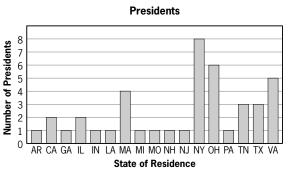
c. Between what two years did the number of U.S. astronauts in the space



Module 19

Test B

29. The bar graph shows the United States Presidents by the states from which they were elected.



- a. From which state was the greatest number of United States Presidents?
- **b.** How many United States Presidents were from Texas? _
- c. From which state(s) has (have) two United States Presidents been elected?

Answer the following problems with complete sentences:

- **30.** Explain how the median is found for a set having an even number of values. Put the values in order.
- 31. Name the parts of the five-number summary. Explain how the summary is used to

create a box-and-whiskers plot. _

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Module 19