D. Order

C. Nominal

D. 21

The teacher of a class of third graders records the height of each student.

C. 13

Q 15. 33, 25, 42, 25, 31, 37, 46, 29, 38. What is the interquartile range of the data?

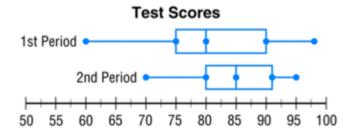
B. Interval

A. Ratio

B. 9

A. 8

Q16. Which class did better on the test?



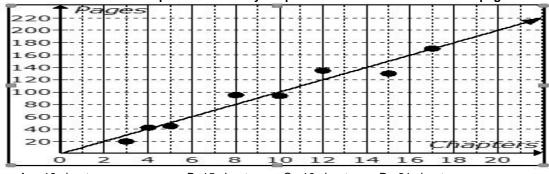
- A. 1st period
- B. 2nd period
- C. They both performed the same
- Q17. What percent of data lies within 1 standard deviation from the mean?
 - A. 95%

- B. 99%
- C. 68%
- D. 100%

Q18. Which of the following statements about variables is correctly paired?

- A. A qualitative variable describes or categorizes an element of population, while a quantitative variable quantifies an element of a population
- A quantitative variable describes or categorizes an element of population, while a qualitative variable quantifies an element of a population
- A qualitative variable describes an element of the sample population, while a quantitative variable quantifies an element of total population
- A quantitative variable describes an element of the sample population, while a qualitative variable quantifies an element of total population

Q 19. The scatter plot shows the relationship between the number of chapters and the total number of pages for several books. Use the trend line to predict how many chapters would be in a book with 180 pages.



- 12 chapters
- B. 15 chapters
- C. 18 chapters
- D. 21 chapters

Q 20. Rich is a member of a gym. He pays a monthly fee plus a per-visit fee. The equation below represents the monthly amount Rich pays for his membership to the gym per month for x visits. y = 10 + 3x

What does the y-intercept of the graph of this equation represent?

A. The monthly fee

- C. How much Rich pays per visit
- The number of times Rich goes to the gym D. The total cost at the end of the month

Q21. Which example shows CAUSATION? (Which one CAUSED the other to happen?)

- A. High social media usage and reduced grades. C. Car ran out of gas and being stranded on the road.
- Recess time and number of friends.
- D. A person's age and what kind of cereal they eat.
- Q22. How do you find the residual Error?

A. predicted value - actual value

- B. actual value predicted value
- Q23. What are the expected counts of a female who likes Pepsi?

		Softdrink Choice		
		Coke	Pepsi	Total
Gender	Male	19	6	25
	Female	10	15	25
	Total	29	21	50

10.5

B. 11

C. 14.5

D. 6.3