

Data & Probability

Score: _____

Pretest
Post Test

Write 3 questions you could ask your friends to collect data for making a graph.

- 1) _____
- 2) _____
- 3) _____

Thomas asked his friends what flavor of ice cream they liked best. He tallied their answers.

4) Create a table using his data. (worth 3)

Chocolate – ~~||||~~ ||
Strawberry – ||||
Vanilla – ~~||||~~ ||||

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5) Create a bar graph using the data. (worth 3)

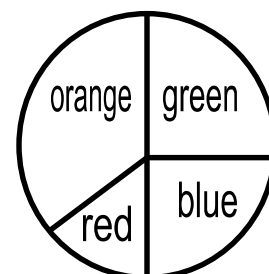
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6) Create a pictograph using the data. (worth 3)

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7) If you spin this spinner, it is most likely to land on _____.

8) If you spin this spinner, it is least likely to land on _____.





















Noah's Lemonade Sales

25							
20							
15							
10							
5							
Cups Sold	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

- 9) On which day did Noah sell the most lemonade?
 a. Monday b. Saturday c. Sunday
- 10) On which day did Noah sell the least lemonade?
 a. Monday b. Tuesday c. Sunday
- 11) How much lemonade was sold on Monday and Wednesday?
 a. 10 cups b. 5 cups c. 2 cups
- 12) Which sentence is true for this graph?
 a. The data is random. b. The data is increasing. c. The data is decreasing.
- 13) If Noah was planning to sell lemonade again next week, which would be a good prediction?
 a. She is more likely to sell the most lemonade on week days.
 b. She is more likely to sell the most lemonade on weekend days.

Susie's Cat-Grooming Business

					
					
					
					
					
					
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

Each  = 2 cats

- 14) How many cats did Susie groom on Tuesday?
 a. 2 b. 4 c. 8
- 15) Which shows how many cats Susie groomed on the first 3 days of the week?
 a. $6+4+2 = 12$ b. $3+2+1 = 6$ c. $4+2+1 = 7$
- 16) Which is true about the data on this graph?
 a. The data is increasing. b. The data is decreasing. c. The data is random.