

BAR AND PIE CHARTS, HISTOGRAMS

(#1-6) For each of the following variables determine if it is qualitative or quantitative.

- QL 1 Whether a spun penny lands heads or tails
- QL 2 The color of a Reese's Pieces candy
- QN 3 The number of calories in a fast food sandwich

- QN 4 The life expectancy of a nation
- QL 5 Whether or not an American household owns a cat
- QL 6 The year in which a college was founded
(could go either way)

(#7-9) Use the bar graph to answer the questions below.

7. Which shark lived longer than any other shark?

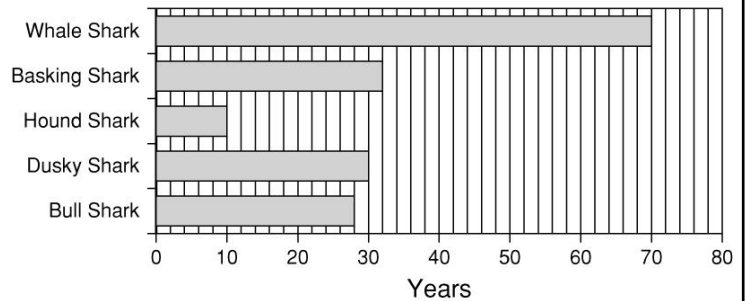
whale

8. About how long did the Basking Shark live?

32 years

9. Which shark lived about one-third as long as the Dusky Shark? *(10 years) hound shark*

Record Life Span of Various Sharks



(#10-12) Use the line graph to answer the questions below.

10. In what month was the cost of diesel fuel and regular unleaded the same?

march

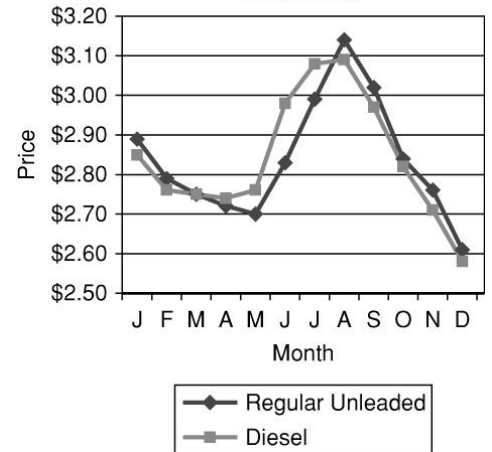
11. For how many months was the cost of diesel fuel more than regular unleaded?

4 months

12. About how much more was the cost of diesel fuel in July than in December?

~50¢

Fuel Costs



(#13-14) Use the double bar graph to answer the questions below.

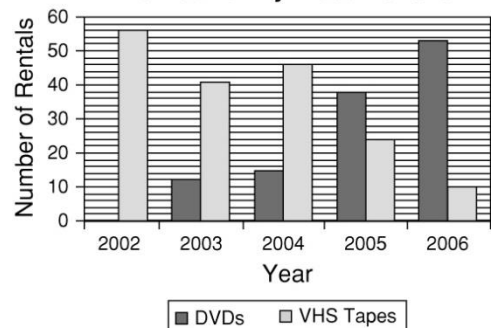
13. Which was the first year that the Barnes rented more DVDs than VHS tapes?

2005

14. About how many videos did the Barnes family rent in all in 2003?

52

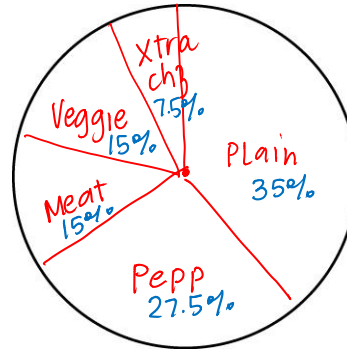
Barnes Family Video Rentals



15. The table shows what types of pizzas were ordered at Vinnie's Restaurant over the weekend. Use the data to make a pie chart. Then tell why a Pie Chart is appropriate for this data set.

Type	Number of Orders
extra cheese	15
pepperoni	55
veggie	30
meat	30
plain	70

7.5%
27.5%
15%
15%
35%



(#16-17) Use the dot plot to answer the questions below.

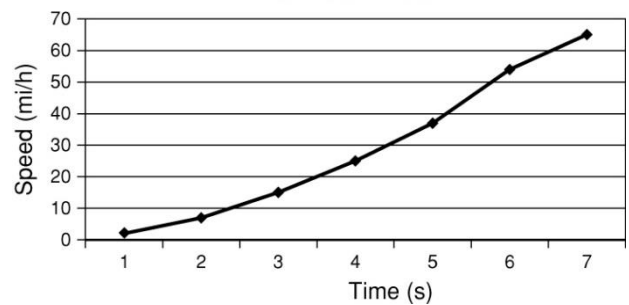
16. During which time interval did the car's speed increase the least?

between 1 & 2s

17. Describe how the speed changed over time.

got faster w/ each sec

Car Acceleration



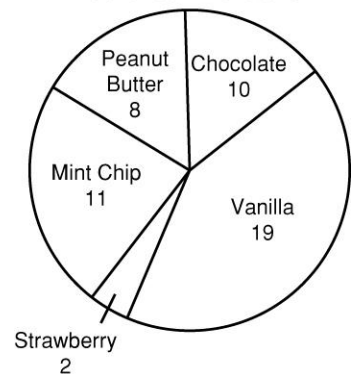
(#18-19) Use the pie chart to answer the questions below.

18. There were 5 times the number of orders for Chocolate as there were for strawberry.

19. What percent of the orders for ice cream were for mint chip or vanilla?

60%

Ice Cream Orders



20. The quiz scores earned by 20 students are listed below. What is a frequency table that represents the data? Use this frequency table to graph the histogram of this data.

9 8 5 8 10 3 6 7 6 7
8 10 8 5 7 9 7 8 4 9

Grade	Frequency
0-2	
2-4	1
4-6	3
6-8	6
8-10	10

