

Statistics review

Integrated Math 1B

Find the mode, median and mean for each data set

1. Test Scores

40 42 45 47 47 48 49 51 53

2. Number of words in book titles

1 2 2 2 3 3 3 4 6

3. Draw a dot plot and bar graph for the following data set

Senator	Age	Senator	Age	Senator	Age	Senator	Age
John Walsh	53	Mike Johanns	58	Elizabeth Warren	63	Barbara Mikulski	50
Pat Toomey	49	David Vitter	43	Rand Paul	47	Jay Rockefeller	47
Saxby Chambliss	59	Jeff Sessions	50	Heidi Heitkamp	57	Marco Rubio	39
Kirsten Gillibrand	42	Lindsey Graham	47	Mike Lee	39	Cory Booker	44

Draw a histogram for the following data sets.

4. Shoe Size

10 7.5 8.5 8 10 7 9.5 6 8.5 9.5 9.5 6.5 11 8.5 5 6 8

- 5.

Campers at National Parks					
Park	Tent Campers	Park	Tent Campers	Park	Tent Campers
Guadalupe Mountains	7,814	Wind Cave	5,574	Mojave	587
Katmai	2,751	Obed W&SR	1,034	Chickasaw	23,985
Death Valley	51,268	Blue Ridge Parkway	39,824	Rocky Mountain	75,807
Cumberland Island	12,088	Biscayne	2,326	Gauley River	2,414
Glen Canyon	4,430	Hot Springs	4,068	Shenandoah	86,176
Buffalo River	19,084				

Construct a two-way frequency table for the following data set.

6. After a series of matches between a school's teams and their rivals, the school secretary analyzed the relationship of the number of wins and matches played. The results are summarized in a two-way table below.

Sport	Boys Wins	Girls Wins	Total Wins
Volleyball	23	18	
Cricket	40	10	
Soccer	15	25	
Total			

- a) How many total wins did the school's Volleyball teams register?
 b) How many more wins did the boys' teams have than the girls' teams?
7. Heather (a hairdresser) is making a record of all the customers she has had in the last month.

- a. Design and label a table that will show the number of male and female customers who are blond or brunette

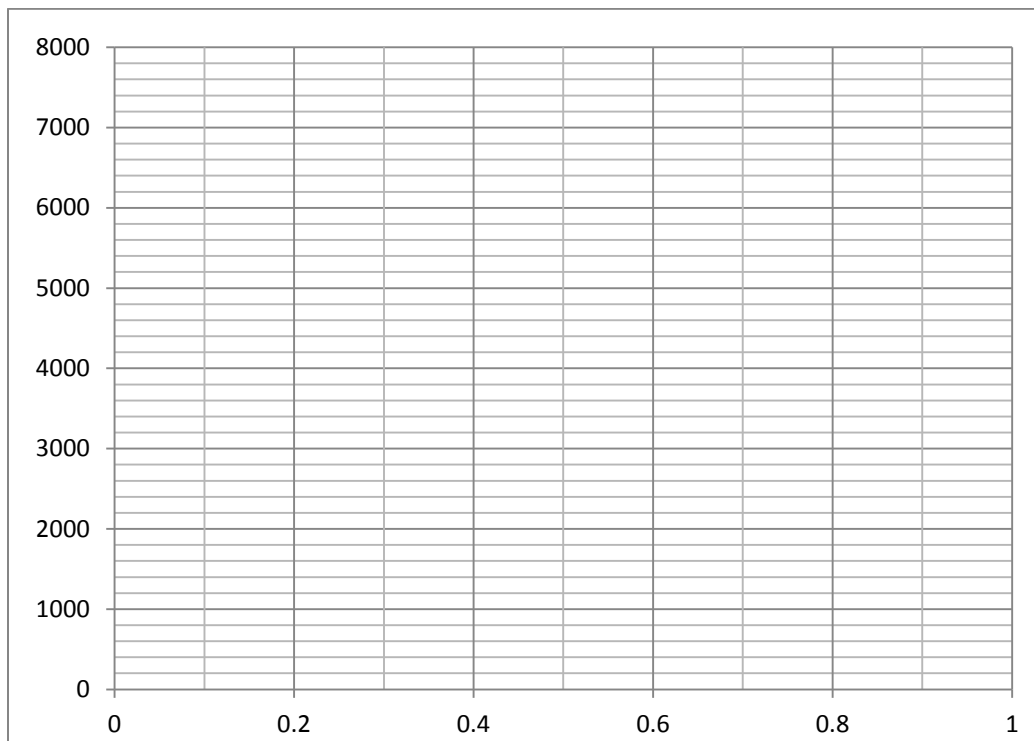
			Total
Total			

- b. In one month she has 40 blond females and only 5 blond males. Put these values in the table.
 c. How many blond customers does she have in total that month?
 d. She has 100 total customers and a total of 20 male customers during the same month. Use this information to finish filling in your table.

Construct a scatter plot. State if there appears to be a positive, negative or no correlation. When there is a correlation, identify the relationship as linear or nonlinear. If there is a linear correlation, then draw the line of best fit.

8.

X	Y	X	Y	X	Y
0.1	1,700	0.4	2,500	0.6	2,400
0.2	5,000	0.5	4,600	0.6	3,100
0.2	6,800	0.6	500	0.7	7,500
				0.9	5,600



9.

X	Y	X	Y	X	Y
20	0.5	20	0.5	30	0.5
40	0.4	50	0.3	70	0.3
80	0.1	90	0.2	100	0.1
100	0.1				

