

UNIT 5 SCHEDULE: Statistics

This paper is due on TEST DAY

Date Assigned	Lesson	Daily Objective	HW	HW Due Date	HW Score	HW
(B) Wed. Dec. 14 (A) Thurs Dec. 15	5-1	Introduction to Two-Way Tables	5-1 HW	(B) Fri. Dec 16 (A) Mon. Dec 19	_____/_____ _____%=____	
(B) Fri. Dec 16 (A) Mon. Dec 19	5-2	Two-Way Tables & Relative Frequencies	5-2 HW	(B) Tues. Dec 20 (A) Wed. Dec 21	_____/_____ _____%=____	
(B) Tues. Dec 20 (A) Wed. Dec 21	5-3	Scatter Plots & Trend Lines	5-3 HW	(B) Thurs. Dec 22 (A) Tues. Jan 3	_____/_____ _____%=____	
(B) Thurs. Dec 22 (A) Tues. Jan 3	5-4	Trend Lines & Making Predictions	5-4 HW	(B) Wed. Jan 4 (A) Thurs. Jan 5	_____/_____ _____%=____	

- Any LATE/ABSENT work MUST be graded before it is turned in.
- Any work turned in AFTER the Unit Test will receive HALF CREDIT.
- Turn in any LATE/ABSENT work by TEST DAY to receive highest credit.
- Visit my website - misspyper.weebly.com. The password is **lehijrmath**

Unit 5 Quizzes

Date Given	Lesson #	Daily Objective	Original Score	Need to Retake?	Passed Quiz?
(B) Tues. Dec 20 (A) Wed. Dec 21	5-1,2	Two-Way Tables			
(B) Thurs. Jan 5 (A) Fri. Jan 6	5-3,4	Scatter Plots & Trend Lines			

Quiz Practice Questions:

(ANSWERS will be posted on my website by clicking on the Unit 5 SCHEDULE.)

Two-Way Tables:

A class had been surveyed if they had been to Canada or Mexico or not. Use the following table to answer 1-3.

	Have Been to Canada	Have Not Been to Canada	Total
Have Been to Mexico	6	3	9
Have Not Been to Mexico	5	11	16
Total	11	14	25

1. What percent of the students went to Mexico but not Canada compared to the total that went to Mexico?

$$\frac{3}{9} = 33\%$$

2. What percent of them went to Canada and Mexico compare to the total number survey?

$$\frac{6}{25} = 24\%$$

3. What percent of all people surveyed had not gone to either one?

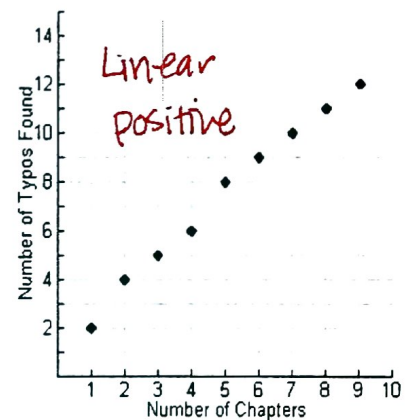
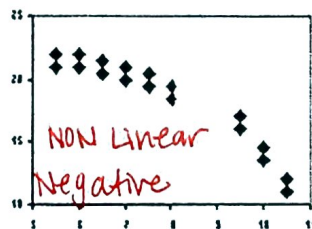
$$\frac{11}{25} = 44\%$$

4. Use the values given to fill in the table.

	MP3 Player	No MP3 Player	Total
Cell Phone	57	21	78
No Cell Phone	13	9	22
Total	70	30	100

Scatter Plots/Line of Best Fit

- Given the scatter plots below,
 - state whether each are linear or non-linear and
 - state whether there is a positive, negative or no association.



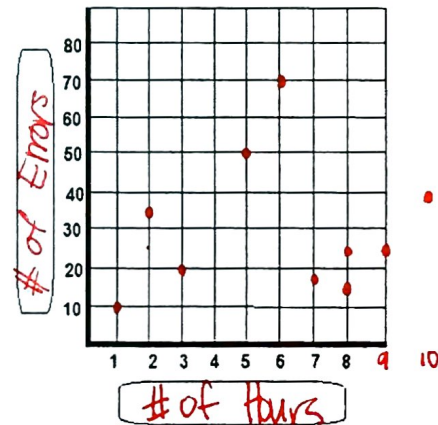
The table shows the number of errors found after a certain amount of hours at a computer manufacturing plant.

2. Construct a scatter plot of the data.

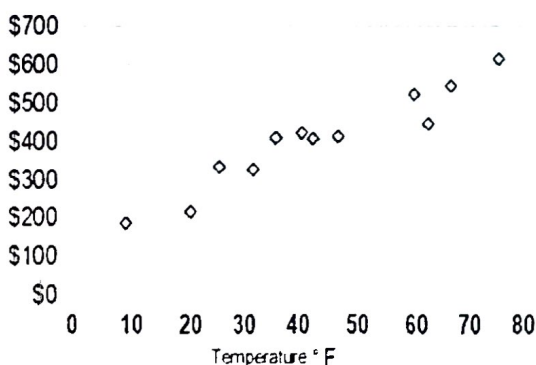
Hours	10	8	9	3	1	2	5	6	7	8
# of Errors	40	15	24	20	10	35	50	70	18	25

3. From the graph you just plotted,

- State whether it is linear or **non-linear**
- State whether there is a positive, negative or **no association**.



4. A scatter plot below compares the temperature on a given day compared to the amount of ice cream sold that day starting at 10°C. Which equation is the line of best fit for that graph?



$$a. y = -\frac{1}{6}x + 200$$

$$b. y = \frac{1}{6}x + 200$$

$$c. y = -6x + 120$$

$$d. y = 6x + 120$$

5. Using the information in #4, make a conjecture of how much money is made if it was 35°C.

about \$330.00