SECTION 4.4: SCATTER PLOTS & LINES OF FIT

Homework:

Learning Targets:

- 4g. Understanding of how to create and interpret a scatter plot and its correlation.
- 4h. Write, use, and interpret a line of best fit when given a set of data.







Find the missing values using the scatter plot of Typing Speed



Creating	a line of best fit using a Calculation	tor
1.	STAT	How to Clear Your Data from the Calculator
2.	Choose 1:	
	Enter x-values in L_1 and y-values in L_2	 2nd + (Mem) Choose 4: ClrAllLists
3.	STAT	
	go to	
	Choose 4:	
4.	Write the equation in	form
5.	The	is represented by

The table below shows the average daily energy requirements for male children and adolescents.

Daily Energy Requirements for Males									
Age (years)	1	2	5	8	11	14	17		
Energy needed (calories)	1100	1300	1800	2200	2500	2800	3000		

- 1) Find the line of best fit.
- 2) Interpret the slope and y-intercept of the graph.
- 3) Use the linear model to predict how many calories a 19-year old needs per day.
- 4) Use the linear model to predict the age of a male who needs over 4300 calories per day?