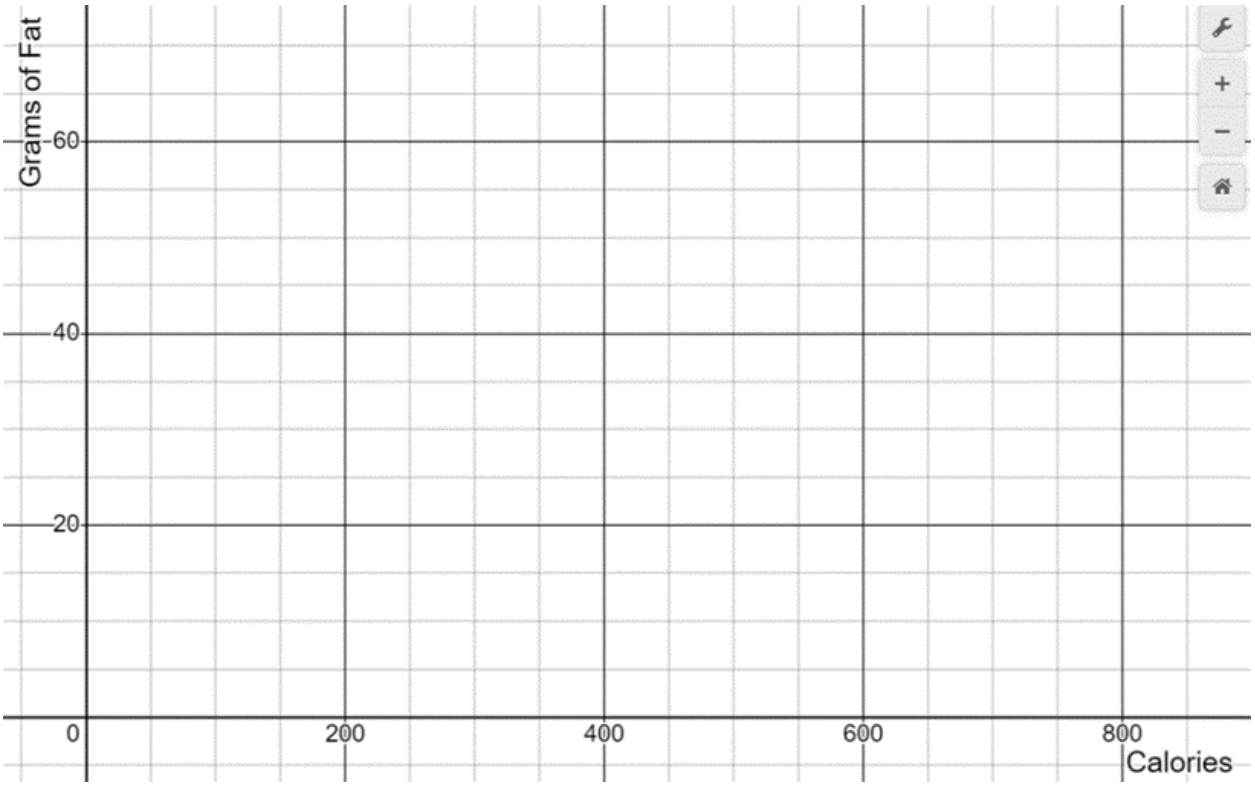
French Fry Scatter Plots

		
Medium Fries	**Medium Fries**	**Medium Fries**
Fat: 19g Calories: 380	Fat: 22g Calories: 440	Fat: 20g Calories: 420
Large Fries	**Large Fries**	**Large Fries**
Fat: 25g Calories: 500	Fat: 27g Calories: 540	Fat: 25 Calories: 520
		
Medium Fries	**Medium Fries**	**Medium Fries**
Fat: 17g Calories: 360	Fat: 13g Calories: 310	Fat: 18g Calories: 360
Large Fries	**Large Fries**	**Large Fries**
Fat: 22g Calories: 470	Fat: 21g Calories: 360	Fat: 23g Calories: 430

Name _____ Per _____ Date _____

1. Make a Scatter Plot: Fat vs. Calorie for french fries



2. Draw the line of best fit.

3. Based on this graph, answer the following:

    a. Is the data linear or nonlinear? How do you know?

    b. Does the data have a positive, negative, or no association?

    c. Are there any outliers? How do you know?

    d. Pick a point on your graph and tell me what it means.

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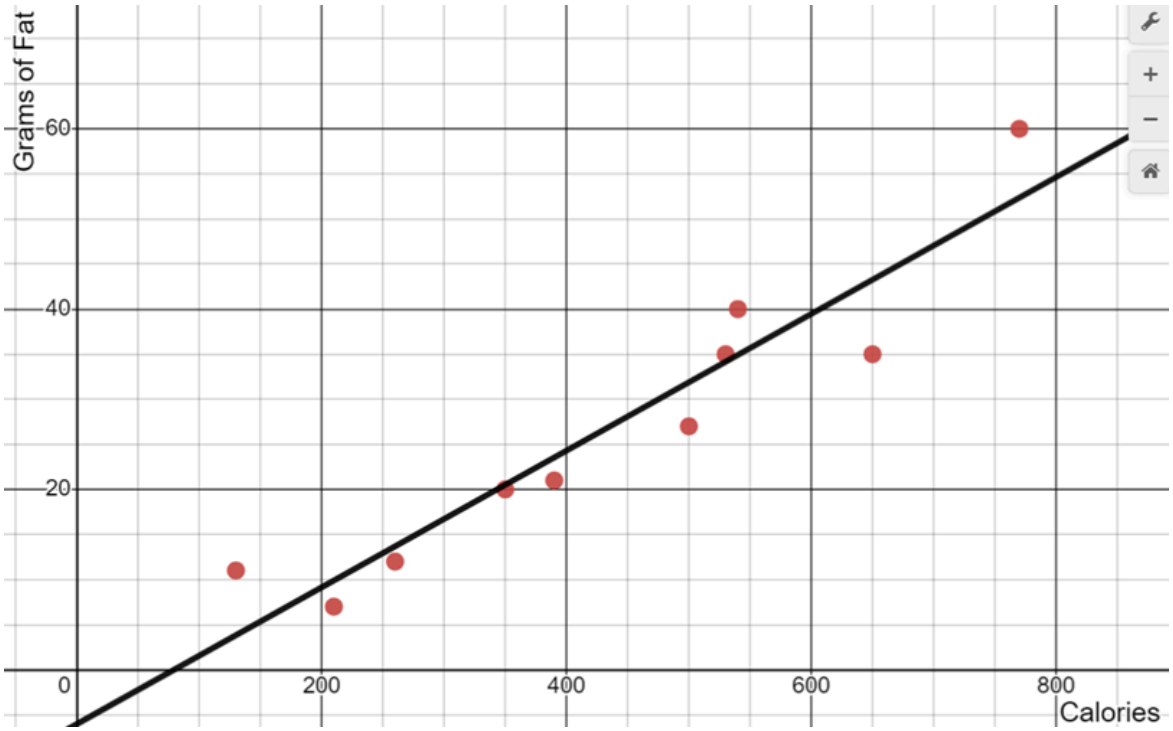
4. 

Given this graph of chicken nuggets for Fat vs. Calorie, answer the following:

a. What is the rate of change of this line and what does it represent?

b. What is the y-intercept of this line and what does it represent?

c. Does the y-intercept make sense for the real world? Why or why not?

d. If chicken nuggets have 370 calories, how many grams of fat would they have? How did you get your answer?

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Thank you for downloading!

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