GRAPHING CALCULATOR ASSIGNMENT Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Sandwich** | **Total Fat (g)** | **Total Calories** |
| Hamburger | 9 | 260 |
| Cheeseburger | 13 | 320 |
| Quarter Pounder | 21 | 420 |
| Quarter Pounder with Cheese | 30 | 530 |
| Big Mac | 31 | 560 |
| Arch Sandwich Special | 31 | 550 |
| Arch Special with Bacon | 34 | 590 |
| Crispy Chicken | 25 | 500 |
| Fish Fillet | 28 | 560 |
| Grilled Chicken | 20 | 440 |
| Grilled Chicken Light | 5 | 300 |

1.

**Is there a relationship between the fat grams and the total calories
in fast food?**

Use your graphing calculator to make a scatterplot and line of best fit for the data. Sketch your graph below.

List your window here:

Answer the question posed and explain.

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2. Graph the scatterplot and line of best fit.

Fifteen athletes trained for the 100m sprint for the Mathopolis Games. Some of them took their training more seriously than others. The following table gives the number of days training and the times taken to run 100 m in the Mathopolis Games.

![[image]]()

Sketch of scatterplot with line of best fit: Window: