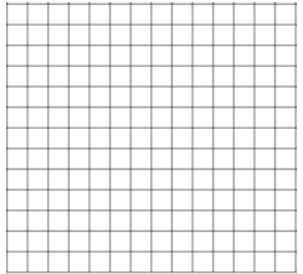
**Ice Cream and Temperature**



Is there a relationship between the amount of ice cream sold and the temperature outside? Well, one ice cream store recorded their ice cream sales and the temperature outside for the last 11 days to see if a relationship exists. Below is the data they collected:

|  |  |
| --- | --- |
| Temperature in degrees Fahrenheit | Total Ice Cream Sales |
| 100 | 425 |
| 106 | 530 |
| 102 | 455 |
| 107 | 565 |
| 100 | 400 |
| 105 | 525 |
| 104 | 520 |
| 103 | 487 |
| 101 | 431 |
| 105 | 500 |
| 103 | 478 |

1. What do you think about the temperature and ice cream sales? Do you think there is a relationship?
2. Create a scatterplot with the data provided.



1. What do you notice about the graph? What would you tell the owner of the ice cream store?
2. What other variables could share a relationship? Please write down at least two.