

Algebra 1A

Lesson 5.6 Fit a Line to Data

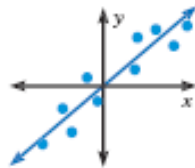
Warm-Up

Write an equation in **slope-intercept form** that passes through the given points.

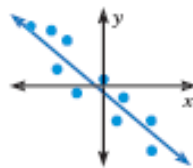
(a) $(-4, 1)$ and $(6, -4)$

(b) $(2, -3)$ and $(-1, 6)$

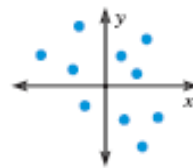
Scatter Plot – a graph used to determine whether there is a relationship between paired data



Positive Correlation



Negative Correlation

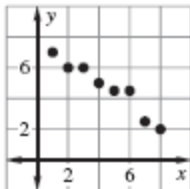


No Correlation

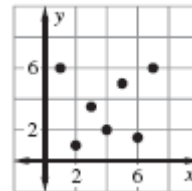
Example 1. Describe the Correlation of Data

Describe the correlation of the data shown in each scatter plot.

(a)



(b)

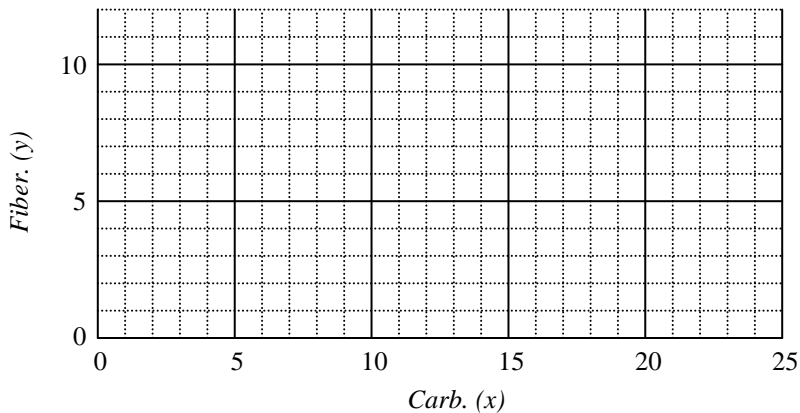


Example 2. Make a Scatter Plot

The table shows the carbohydrates (in grams) and the fiber (in grams) in six types of fruit.

Fruit	Apple	Banana	Blackberry	Fig	Guava	Peach
Carb.	22	24	18	12	11	11
Fiber	5	4	8	2	5	2

(a) Make a scatter plot of the data.



(b) Describe the correlation of the data.

