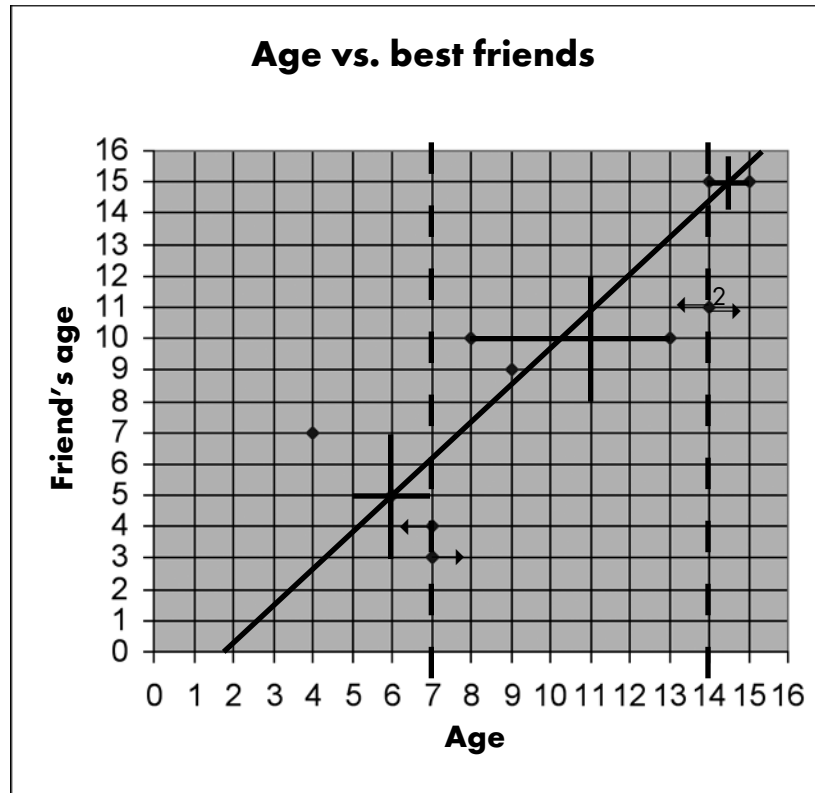


# Day 2: Are You Regular?

## Answer Key

Students of all ages were asked how many “best” friends they had. The results are listed in the table and in the scatter plot. Find the **line of best fit** for the data. Show all work.

Age	Friends
7	3
13	10
14	11
6	5
14	15
15	15
4	7
8	10
7	4
9	9
14	11



11 points

$$\frac{3R^2}{3|11}$$

1. How would you classify the correlation for this data?

Positive – high degree

2. If a child is 5 years old, how many friends would you expect him to say he has?

Between three and four

3. If a student is 12 years old, how many friends would you expect her to have?

12