







Elina thought she would begin an exercise program. She started her initial (day 0) exercise program by walking around the block 30 times. Periodically she recorded the number of blocks she walked.

x = number of the day Elina has walked
 y = number of times Elina walked around the block

Create a scatterplot, draw a line of best fit, locate two points on the line of best fit, find the slope of the line of best fit and the y -intercept, and write the equation for the line of best fit.

X	Y
0	30
1	28
2	27
6	22
10	15
15	7

Describe the real meaning of the y -intercept

The real world meaning of the slope.

Using the line of best fit, find the number of times Elina walked around the block on days 5 and 12.

Explain why the slope of this line of best fit is negative. On what day will Elina walk zero times around the block?