

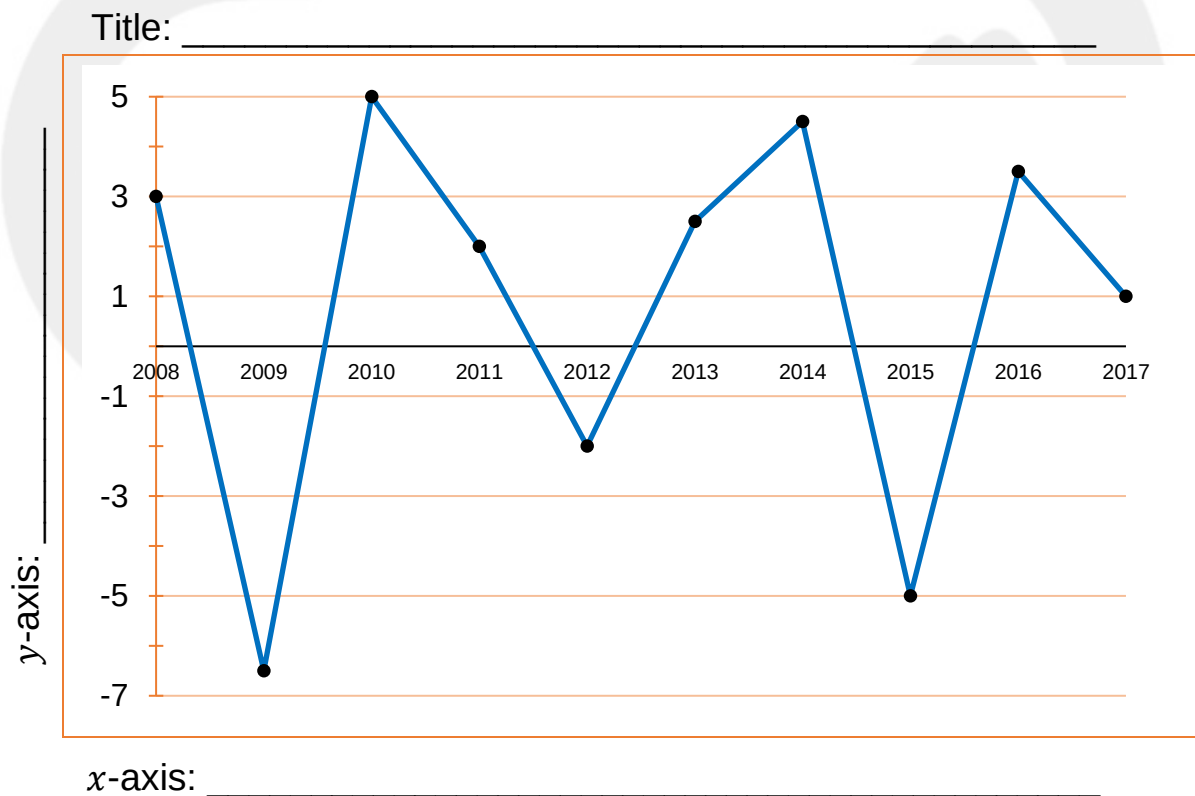
Line Graphs

Weight Gain

Jacinta's ideal weight is 65 kilograms. At the end of every year, she measures her weight.

In line graph below,

- Name the graph and the axes
- *Note: Black markers represent the weight difference between Jacinta's current weight and her ideal weight (baseline). Blue lines represent changes in weight differences between the years. All measurements are in kilograms.*





Questions

1. Find Jacinta's weight difference (+/-) in 2008.

2. Find Jacinta's weight difference (+/-) in 2009.

3. Find Jacinta's measured weight for each of the years below.

(a) 2009

(b) 2013

(c) 2014

(d) 2016

4. During which years was Jacinta below her ideal weight? What was her average weight during these years?

5. During which years was Jacinta's weight between $\pm 4.5\%$ from her ideal weight?



6. Describe the largest change in weight difference across the decade.

7. Describe the smallest change in weight difference across the decade.

