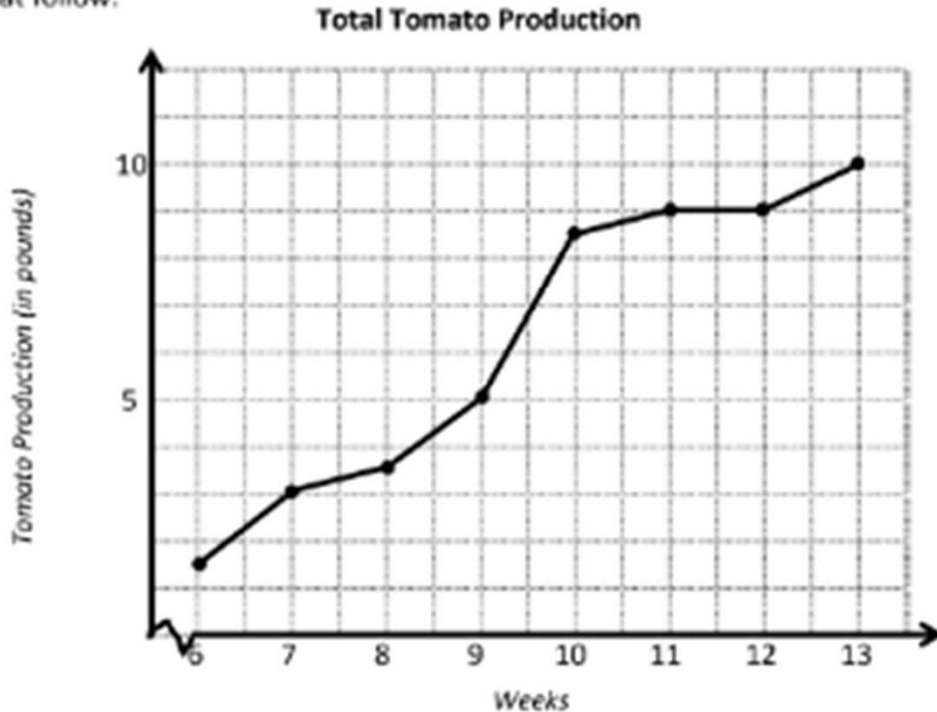


## Line Graph Worksheets

The line graph below tracks the total tomato production for one tomato plant. The total tomato production is plotted at the end of each of 8 weeks. Use the information in the graph to answer the questions that follow.

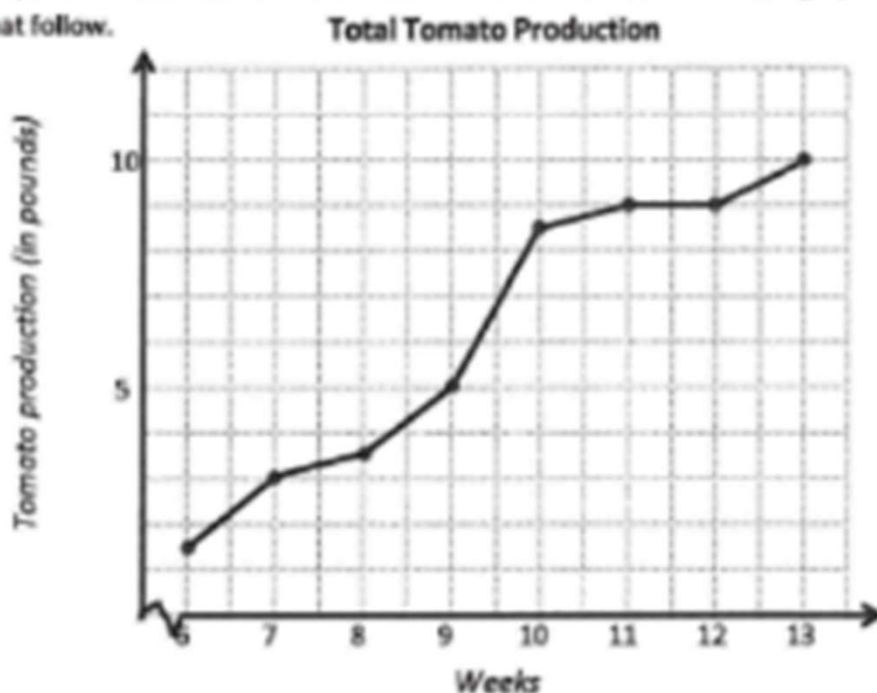


- How many pounds of tomatoes did this plant produce at the end of 13 weeks?
- How many pounds of tomatoes did this plant produce from Week 7 to Week 11? Explain how you know.
- Which one-week period showed the greatest change in tomato production? The least? Explain how you know.
- During Weeks 6–8, Jason fed the tomato plant just water. During Weeks 8–10, he used a mixture of water and Fertilizer A, and in Weeks 10–13, he used water and Fertilizer B on the tomato plant. Compare the tomato production for these periods of time.

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## Line Graph Worksheets

The line graph below tracks the total tomato production for one tomato plant. The total tomato production is plotted at the end of each of 8 weeks. Use the information in the graph to answer the questions that follow.



- a. How many pounds of tomatoes did this plant produce at the end of 13 weeks?

The plant produced 10 lb of tomatoes at the end of 13 weeks.

- b. How many pounds of tomatoes did this plant produce from week 7 to week 11? Explain how you know.

The plant produced 6 lb of tomatoes from week 7 to 11. It had 3 lb at week 7 and it was up to 9 lb by week 11. The difference is 6 lb.

- c. Which one-week period showed the greatest change in tomato production? The least? Explain how you know.

Week 9 to 10 was the greatest change. The least was week 11 to 12. The line is much steeper between weeks 9 + 10 than any other time and it is flat between weeks 11 + 12. That means it didn't make any tomatoes then.

- d. During weeks 6-8, Jason fed the tomato plant just water. During weeks 8-10, he used a mixture of water and fertilizer A, and in weeks 10-13 he used water and fertilizer B on the tomato plant.

Compare the tomato production for these periods of time.

The water helped make tomatoes, but fertilizer A seemed to make more tomatoes than just the water. Fertilizer B didn't seem to help at all because the plant hardly increased production during weeks 10-13.