

Unit 10 Objective 6 Remediation

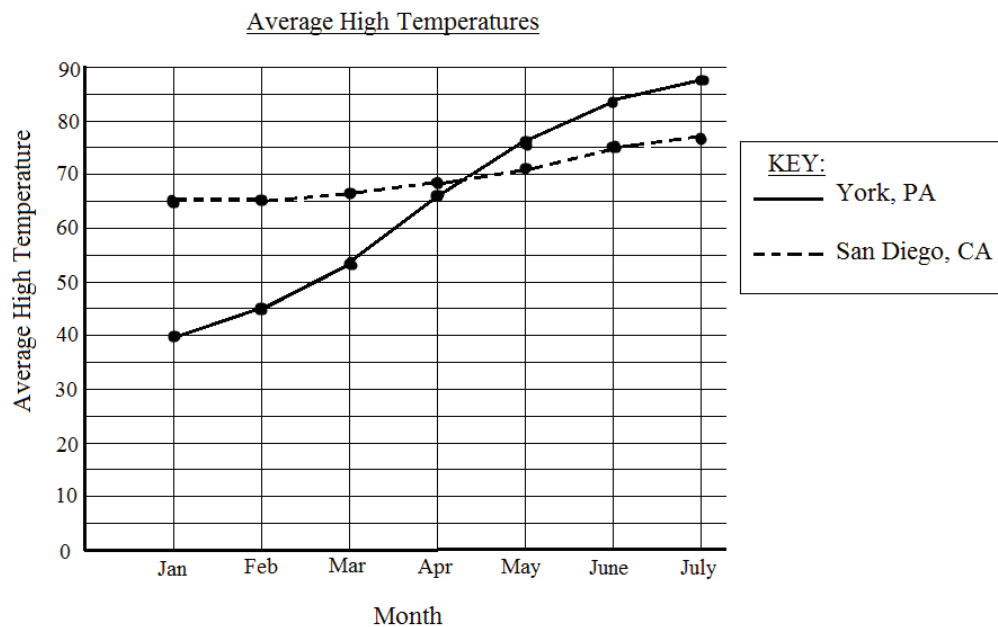
Interpreting Line Graphs

Line graphs compare two variables. Each variable is plotted along an axis.

Some of the strengths of line graphs are:

- They are good at showing specific values of data, meaning that given one variable the other can easily be determined
- They show trends in data clearly, meaning that they visibly show how one variable is affected by the other as it increases or decreases
- They enable the viewer to make predictions about the data

Examples



Use the graph above to answer questions about the graph.

1.) What is the average high temperature in York in March? Answer: 54 degrees

Look at the key, it says that the solid line is York. Since you are looking for the temperature in March, you must look along the x-axis to March and go up until you hit the solid line. Check to see what the y-value is at that point by checking the y-axis

2.) When does San Diego have an average monthly temperature of 71 degrees? Answer: May

Look at the y-axis to where 71 degrees is located; go across the graph until you hit the dashed line (since San Diego is the dashed line); then look down at the x-axis to see what month is at that point.

3.) Which city has the lower average temperature in June? Answer: San Diego

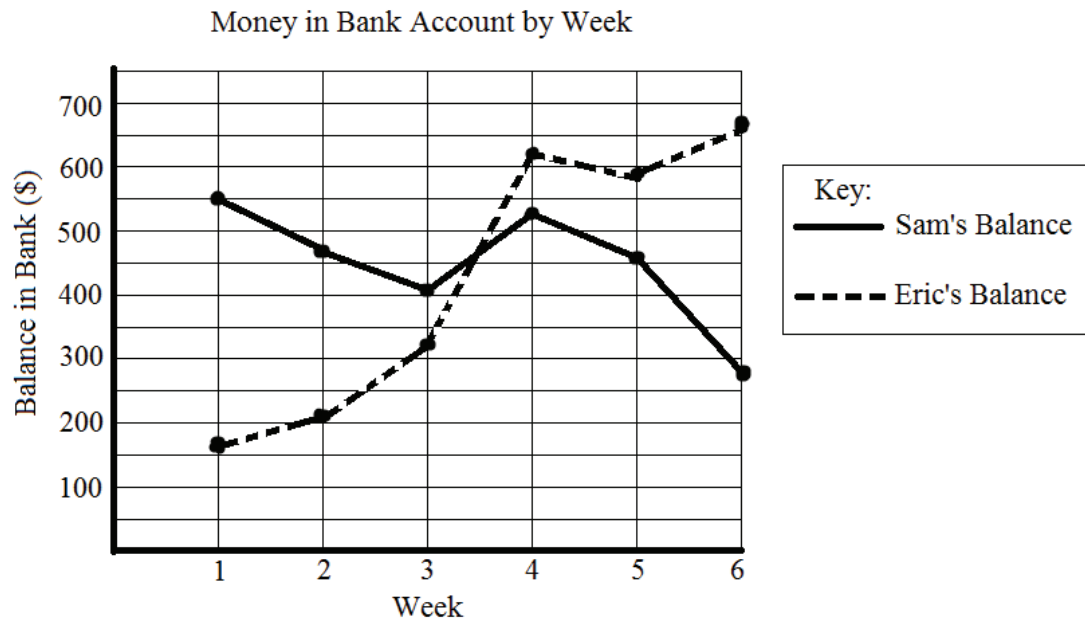
Find June on the x-axis and go up; the dashed line is below the solid line, so the dashed line has the lower temperature that month; the dashed line is San Diego.

4.) The temperature in York is higher than San Diego starting which month? Answer: May

Look at the graph to see when the solid line (York) is above the dashed line (San Diego); the solid line is above the dashed line between April and May, so May is the first full month when York's temperature is higher than San Diego's temperature.

Practice

Use the line graph below to answer questions about how much money Sam and Eric have in their own bank account.



- 1.) How much money does Sam have in her bank account in the 4th week?
- 2.) How much money does Eric start with in his bank account?
- 3.) After how many weeks does Eric's account go above \$500?
- 4.) How much more money does Sam have in her account than Eric's account at the 2nd week?
- 5.) How many weeks does it take for Eric to have more money than Sam in his bank account?
- 6.) How much money does Sam have in her account after the 6th week?
- 7.) Who has more money in the 5th week?