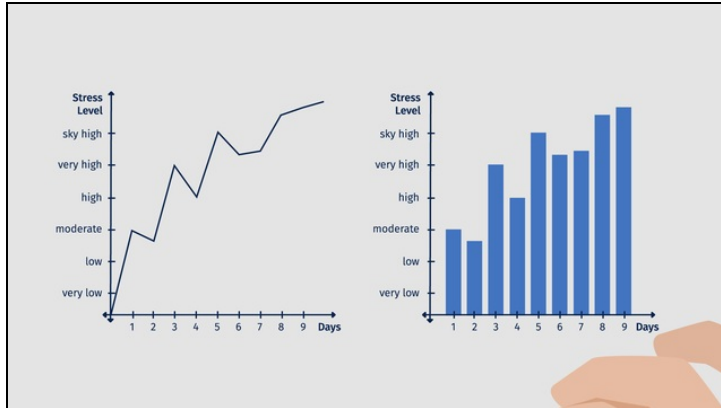




Printable Worksheets from [sofatutor.com](https://www.sofatutor.com)

Line and Bar Graphs



- 1 Explain what line graphs and bar graphs are.
- 2 Explain how to draw a bar graph.
- 3 Draw a line graph.
- 4 Find the right data set for the bar graph.
- 5 Decide which graphs represent the data given.
- 6 Interpret the different graphs.
- + with lots of tips, answer keys, and detailed answer explanations for all of the problems.



The complete package, including all problems, hints, answers, and detailed answer explanations is available for all [sofatutor.com](https://www.sofatutor.com) subscribers.



Explain what line graphs and bar graphs are.

Choose the correct statements.

- A
Bar graphs and line graphs are both drawn in coordinate planes.
- B
In a line graph each data point is represented by a line.
- C
In a bar graph each data point is represented by a bar.
- D
As the number of data points grows greater and greater bar graphs do not represent the data as well as line graphs.
- E
To draw a line graph from a bar graph, each bar is replaced with one point and the resulting points can be connected.



Hints for solving these problems

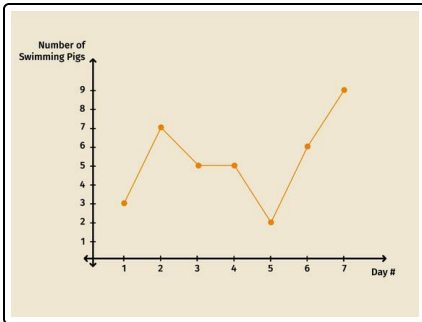
1
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Explain what line graphs and bar graphs are.

Hint #1

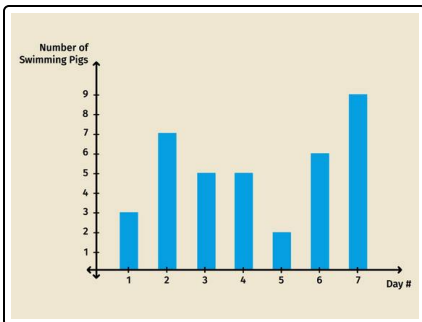
With line graphs one can recognize a trend much easier.

Hint #2



Here you see an example of a line graph.

Hint #3



This is the bar graph corresponding to the line graph above.



Answers and detailed answer explanations for these problems

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of 6

Explain what line graphs and bar graphs are.

Answer key: A, C, D, E

For both, bar graphs as well as line graphs, we draw a coordinate plane:

- The x -axis is labeled with the days.
- The y -axis is labeled with the number of observed pigs.

For bar graphs, each data point is given by one bar, so the highs and lows can be seen easily.

Line graphs also give the same information. Each bar is replaced with a point and the resulting points can be connected.

As the number of data points grows greater and greater bar graphs do not represent the data as well as line graphs.