

Topic: Line graphs and ogives

Question: Which graph would be appropriate for changes in data over time?

Answer choices:

- A Ogive
- B Line graph
- C Circle graph
- D Bar graph



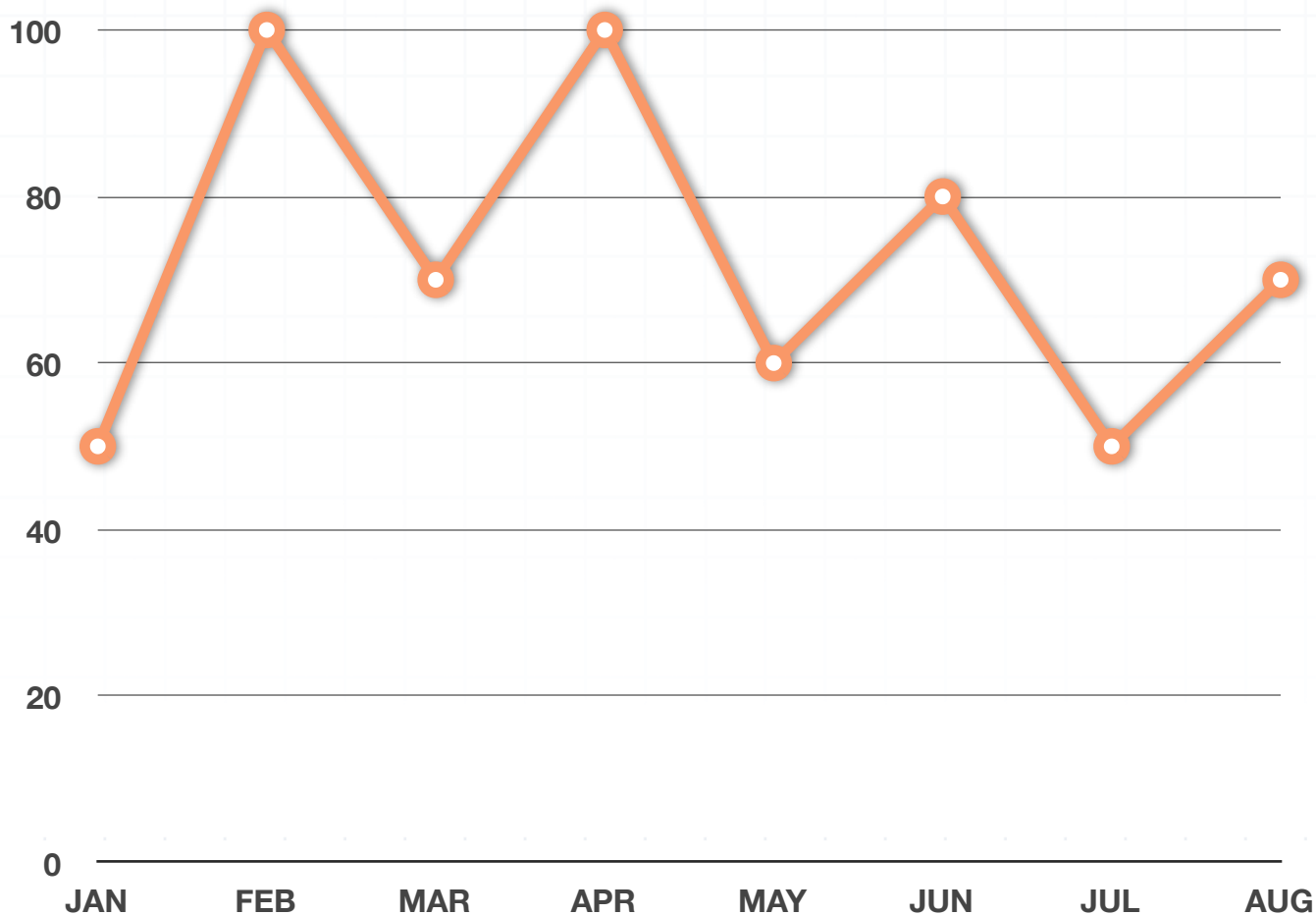
Solution: B

A line graph is the best type of graph to use to show changes over time because you can quickly read the graph to see the fluctuations.



Topic: Line graphs and ogives

Question: Stephanie made a line graph of the money she spent eating out each month from January to August. How would changing this graph to an ogive change the information?

**Answer choices:**

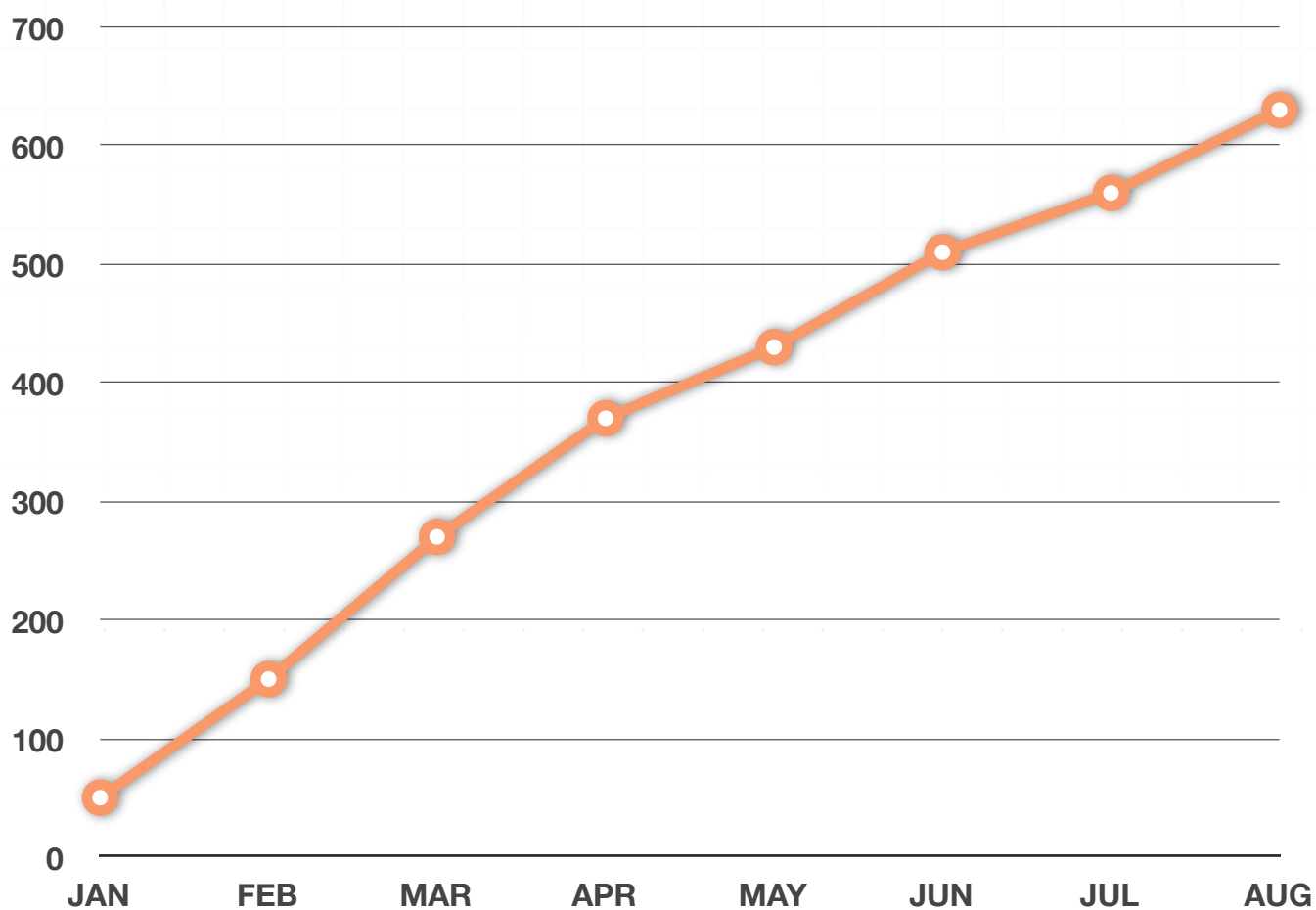
- A The graph as an ogive would not give any relevant information.
- B The graph as an ogive would not change any of the information.
- C The graph as an ogive would allow you to read the amount Stephanie has spent each month.



- D The graph as an ogive would let you read the accumulated spending for Stephanie from month to month.

Solution: D

An ogive adds each month to the accumulated value and would let you read Stephanie's accumulated spending.



Topic: Line graphs and ogives

Question: Is a line graph appropriate for analyzing rain fall per month?
Why or why not?

Answer choices:

- A Yes, because a line graph helps to quickly read the changes in monthly rainfall and make connections from month to month.
- B Yes, because you could quickly read the amount of rainfall that fell each month out of the total rainfall.
- C No, because you want to show data in equal intervals and you should use a histogram instead.
- D No, because you want to show data that's in multiples of months and you should use a pictograph.



Solution: A

A line graph is a good choice for analyzing rain fall per month because line graphs are used to show changes over time, or a connection between individuals.

Answer choice B is incorrect because comparing parts to a whole is accomplished in a circle graph rather than a line graph.

