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## Two key features of graphs of proportional relationships

- Graphs must show a \_\_\_\_\_
- The line of the graph has to go through the \_\_\_\_



# **EXAMPLE 1** Determining Whether Two Quantities Are Proportional Use a graph to tell whether x and y are in a proportional relationship.





## EXAMPLE 2 Interpreting the Graph of a Proportional Relationship

The graph shows that the distance traveled by the Mars rover *Curiosity* is proportional to the time traveled. Interpret each plotted point in the graph.

Interpret means to explain for the situation of the problem.



### On Your Own: Use a graph to tell whether x and y are in a proportional relationship.



Interpret each plotted point in the graph of the proportional relationship. What is the unit rate?

