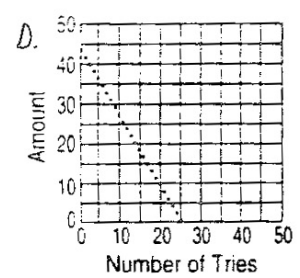
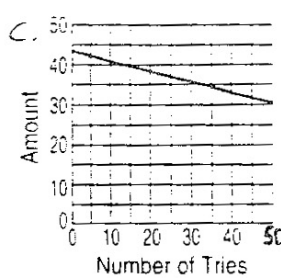
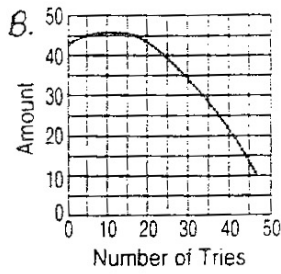
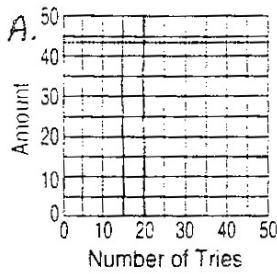


# Giving Meaning to Graphs

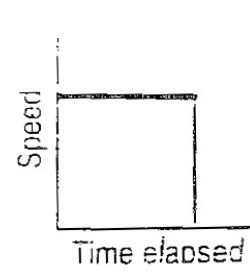
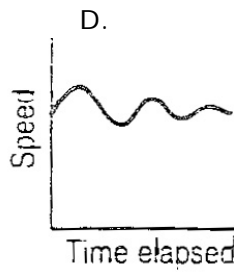
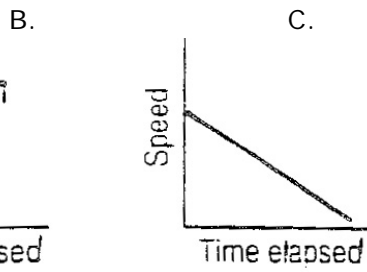
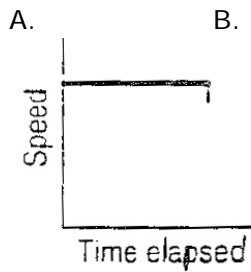
## Every Picture Tells a Story!

Indicate which graph matches the given statement. Describes why this graph describes the situation.

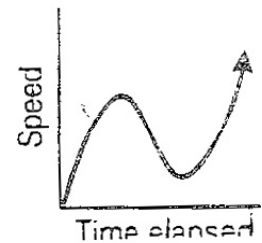
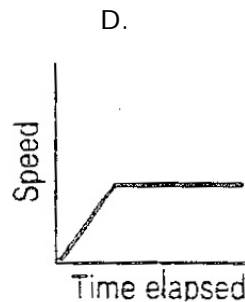
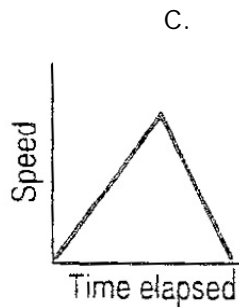
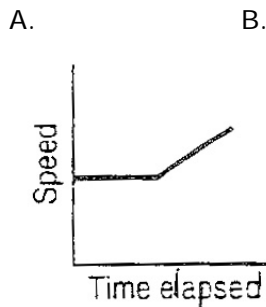
1. Allison starts out with \$43 and feeds quarters into a slot machine. Which graph shows the amount of money left after  $x$  tries, assuming she never wins.



2. A train pulls into a station and lets off its passengers.

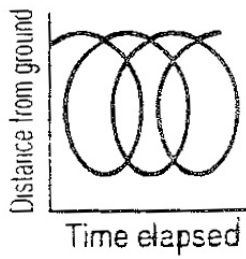


3. A young man climbs a hill at a steady pace and then starts to run down one side.

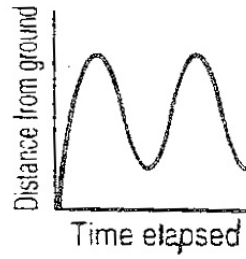


4. A student takes a ride on a ferris wheel.

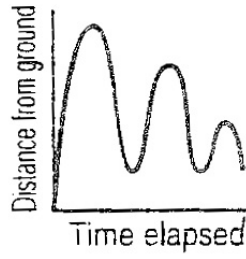
A.



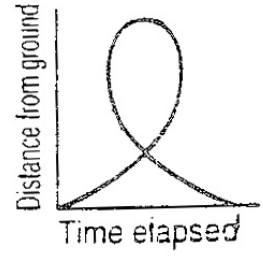
B.



C.

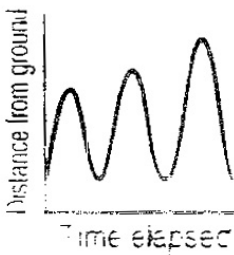


D.

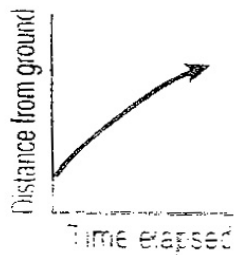


5. A young girl swings on a swing.

A.



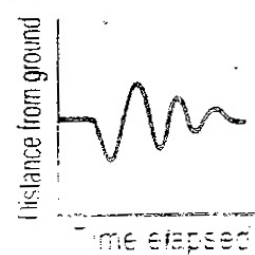
B.



C.

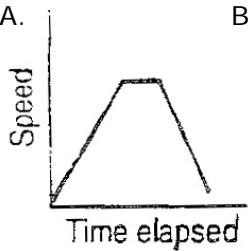


D.

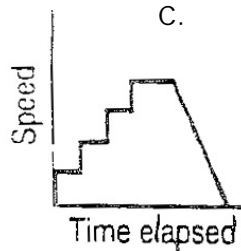


6. A child climbs up a slide and then slides down.

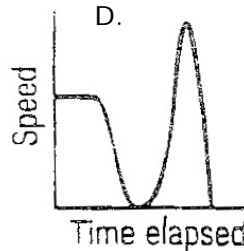
A.



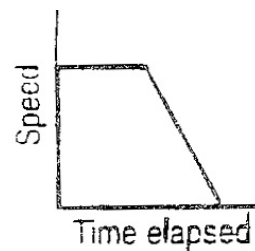
B.



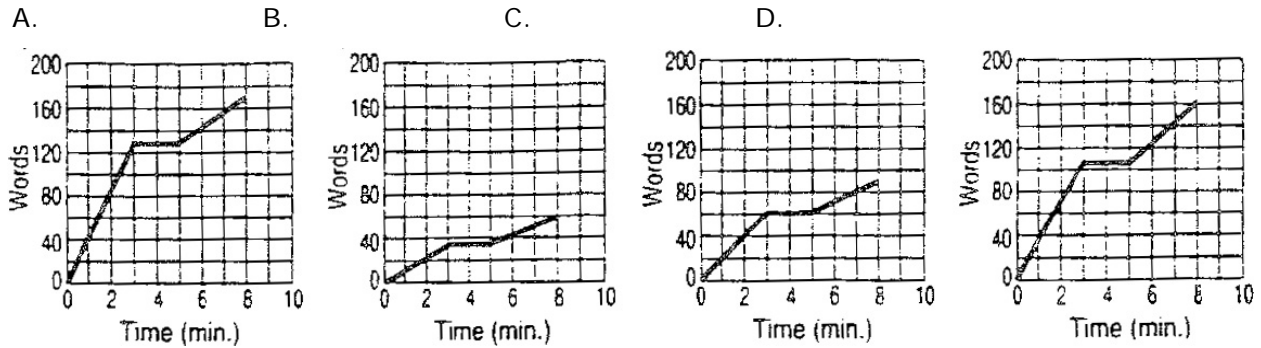
C.



D.



7. Ricardo types for three minutes at a rate of thirty-five words per minute. He takes a two-minute break and then types for three more minutes at a rate of twenty words per minute. The graphs below show time on the horizontal axis and the number of words typed on the vertical axis. Which graph represents Ricardo's time at the typewriter.



8. The school cafeteria has a soda machine that sells different varieties of soda. It typically begins the day half full. State law prohibits the sale of soda in school cafeterias before 9 a.m. and after 5 p.m. Soda is dispensed from the machine during the day at a fairly consistent rate while the machine is turned on, with the exception of the following times.

- During the morning break from 10:00 a.m. to 10:30 a.m. which the demand is high.
- During lunch from 12:30 p.m. to 1:30 p.m. When the demand is higher than during the morning break.
- During the fifteen minute period just before lunch which is required to restock the machine and remove the money.

Draw a graph that depicts a day in the life of the soda machine from 8 a.m. to 6 p.m.

