

Name _____ period _____

6th Grade Do Now

SCI.6.8D Measure and graph changes in motion.

Monday Date _____

What are three essential parts to a graph?

Tuesday Date _____

A golfer collected data on the distance a golf cart traveled in a straight line and plotted it on a graph.

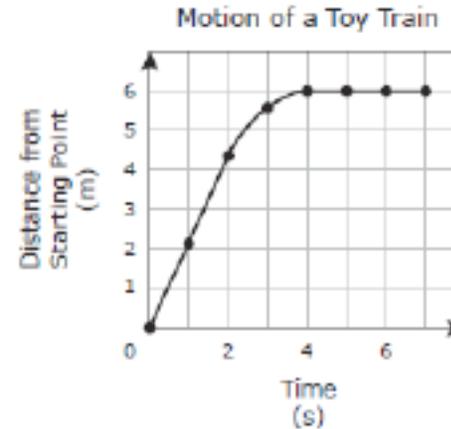


Which of these does NOT describe the cart's motion on this graph?

- A. The cart moved 24 m away from the starting point between 2 s and 5 s.
- B. The cart moved toward the starting point at a speed of 3 m/s between 7 s and 12 s.
- C. The cart moved 11 m toward the starting point between 8 s and 10 s.
- D. The cart moved away from the starting point at a speed of 1 m/s for 2 sec.

Wednesday Date _____

A hobbyist collected data about the motion of a toy train on a straight track and then recorded the data in the graph below.

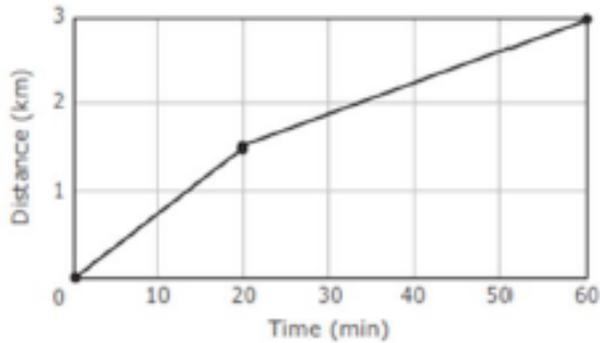


Which of these accurately describes the motion of the toy train?

- A. The toy train speeds up while going forward and then slows down.
- B. The toy train slows down while going forward and then moves backward.
- C. The toy train moves forward at a constant speed, slows down, then stops.
- D. The toy train moves forward at an increasing speed, stops and then moves forward.

Thursday Date _____

The graph below shows distance over time.



Which of these situations could be represented by this graph?

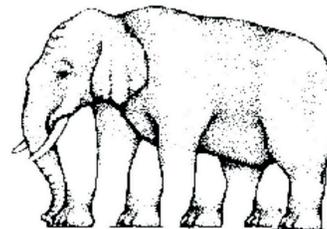
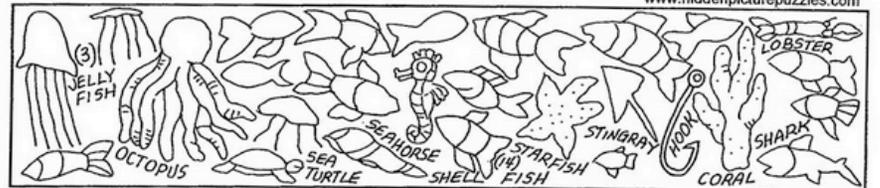
- A. A student walks 1.5 km to a friend's house in 40 minutes. The two students then walk another 1.5 km to school in 20 minutes.
- B. A student walks 1.5 km to a friend's house in 20 minutes. The two students then walk another 1.5 km to school in 40 minutes.
- C. A student walks 1.5 km to a friend's house in 30 minutes. The two students then walk another 1.5 km to school in 30 minutes.
- D. A student walks 1.5 km to a friend's house in 20 minutes. The two students then walk another 1.5 km to school in 60 minutes.

Friday Date _____

What is missing on the graph above?



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How many legs does this elephant have?