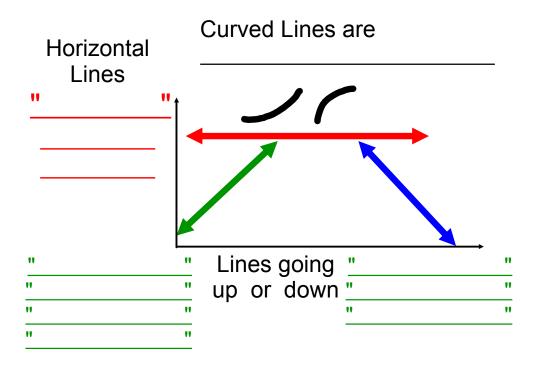


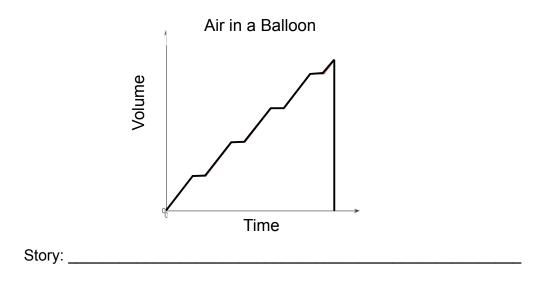
# **Graphs & Stories**

Today's Learning Targets:

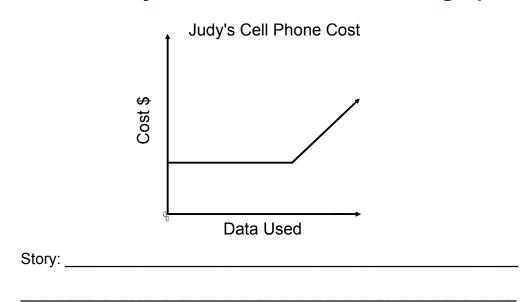
- 8.2 I can write a story for a graph.
- 8.3 I can create a graph from a story.



## What story could we write about this graph?

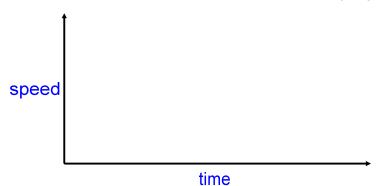


## What story could we write about this graph?



# Draw a sketch for the situation.

- A bus accelerates from a stop.
- It drives at a constant speed .
- The bus approaches its next stop.
- It loads people.
- The bus then accelerates away again.



### Draw a sketch for the situation.

You swing back & forth on a playground swing.

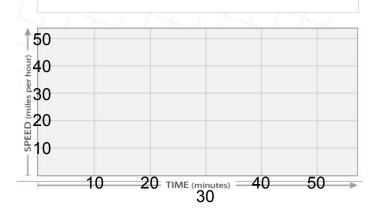


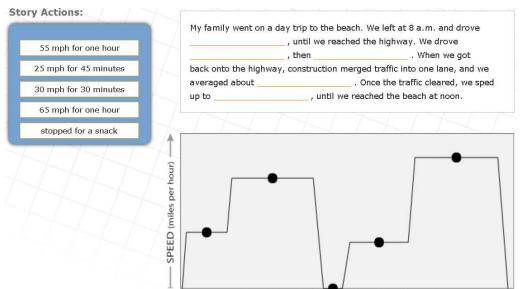
time

#### Unit 8 - 8.2 & 8.3

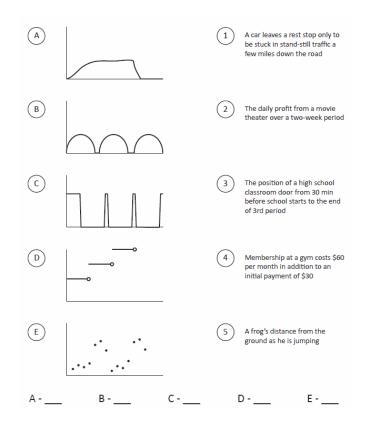
Read the following story. Then sketch a graph that tells the same story. Assume the car will need a very short time to speed up and slow down.

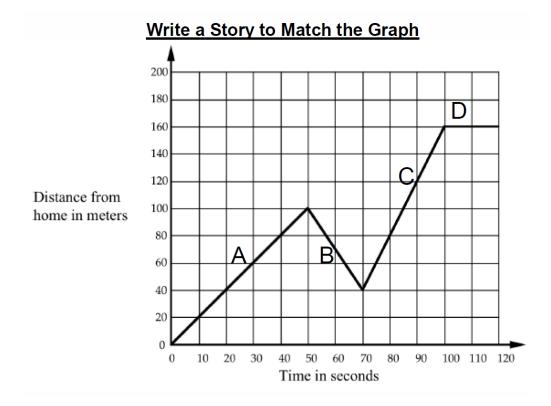
My dad drove me to school this morning. We drove for 10 minutes at about 30 mph. We then slowed to half that speed for the next 5 minutes before stopping at a stoplight for 2 minutes. We got on the highway and drove at 50 mph for 20 minutes. We got off the highway and stopped at a stop sign for a minute. We drove at 20 mph for another 10 minutes, then turned into the school's driveway and stopped.





#### TIME (minutes) -





#### Draw a sketch that represents the situation.

A golden retriever puppy was chasing a ball and bringing it back to its owner. On one particular throw, the puppy chased the ball, brought it half way back, and then sat down and stared at a frog before finally picking up the ball and bringing it slowly back to the master. The puppy always sits by the owner until the ball is thrown.