

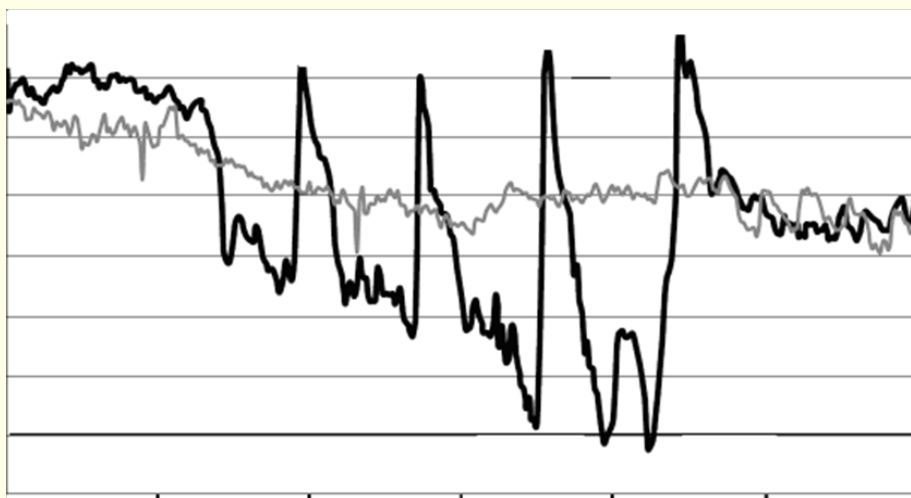
Rel & Func Ls 1 - Intro to Graphing

Given a graph, describe the situation

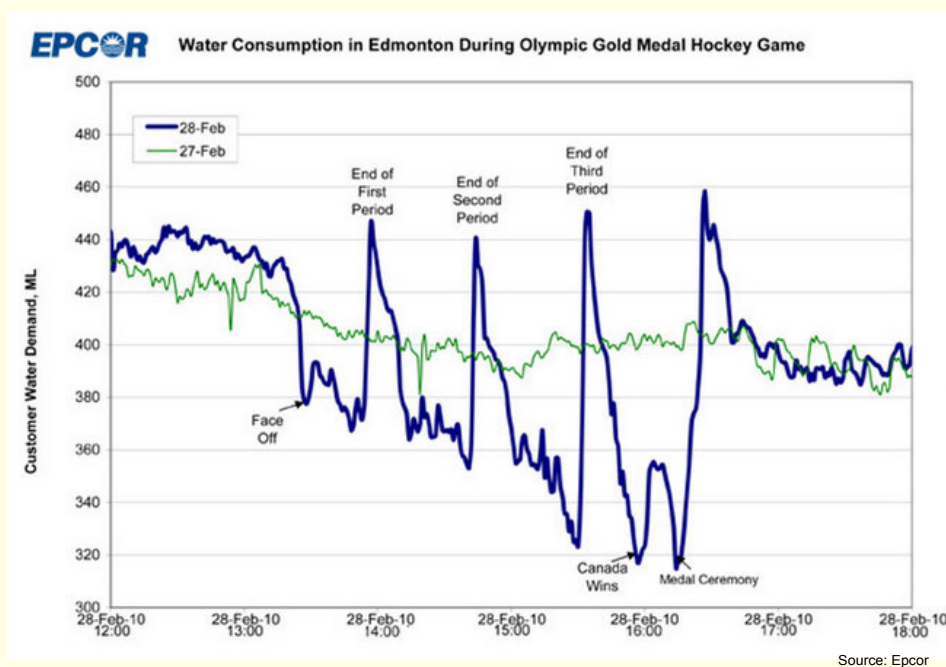
Sketch a graph given a situation

Interpreting Graphs

What story does this graph tell? What could give this graph more meaning?



Interpreting Graphs - Solution



A graph can be a great way to represent data but requires good details (**title**, **labels**, **scale**, **legend**, etc.) to tell the whole story.

Graphing Stories (Thanks Dan Meyer)

Watch each video clip and graph the story on the handout provided.

Graphing Stories 1



Graphing Stories 5



Graphing Stories 2



Graphing Stories 6



Graphing Stories 3



Graphing Stories 7



Graphing Stories 4



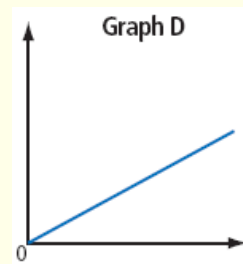
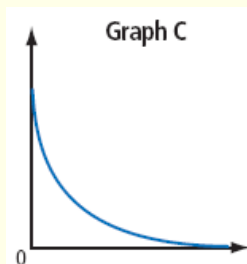
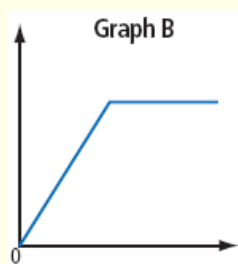
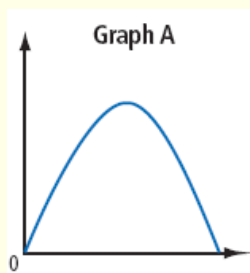
Graphing Stories 8



<http://blog.mrmeyer.com/?p=213>



Matching - Graphs & Scenarios



1) the temperature of a cup of hot chocolate over time

2) a car accelerating to a constant speed

3) the distance a person walks during a hike

4) the height of a soccer ball kicked across a field

Practice

6.1 pg. 115: 1 (Sketch instead of describe), 3ab, 9

Solutions on board to #1

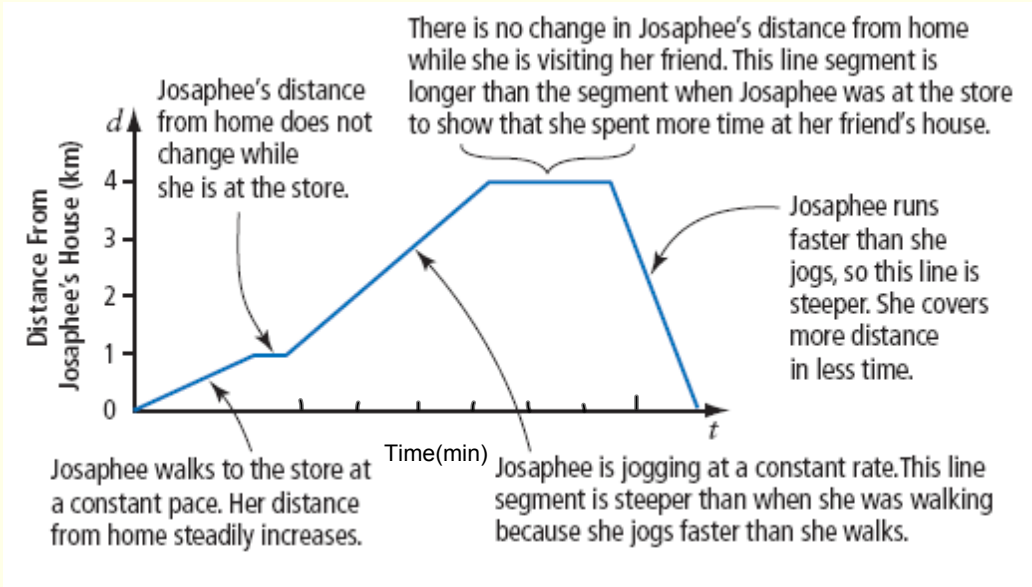
Really good question!

Quick Check: Complete the two questions on the Graphing Stories Assignment

Mark together on the next page and hand in.

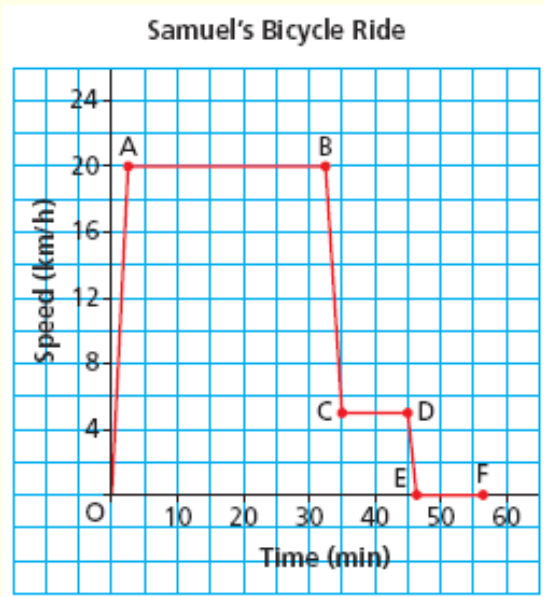
M10C Graphing Stories Assignment

Question #1 Solution



M10C Graphing Stories Assignment

Question #2 Solution



Segment	Journey
OA	Samuel's speed increases from 0 to 20 km/h, so the segment goes up to the right.
AB	Samuel cycles at approximately 20 km/h for 30 min. His speed does not change, so the segment is horizontal.
BC	Samuel's speed decreases to 5 km/h, so the segment goes down to the right.
CD	Samuel cycles uphill at approximately 5 km/h for 10 min. His speed does not change, so the segment is horizontal.
DE	Samuel slows down to 0 km/h, so his speed decreases and the segment goes down to the right.
EF	Samuel remains stopped at 0 km/h for 10 min, so the segment is horizontal.