Name Key

Notes: Qualitative Graphs

A. Emily is downloading photos from her digital camera to her computer. The table shows the percent of photos downloaded for several seconds.

Time (sec)	Percent Downloaded
0	0
2	15
4	30
6	30
8	64
10	64
12	82
14	100

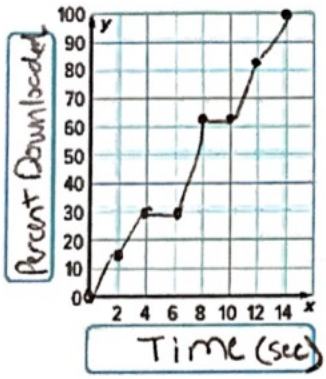
1. During which period(s) of time did the percent downloaded not change?

Between 4 & 6 seconds and 8 & 10 seconds

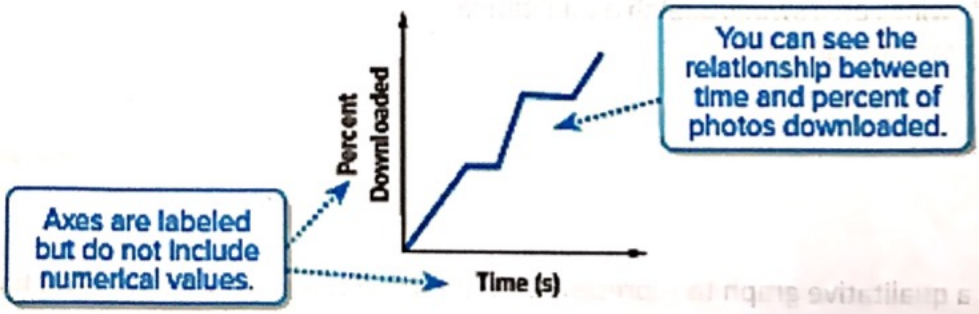
2. During which period of time did the percent downloaded change the most?

Between 6 & 8 seconds

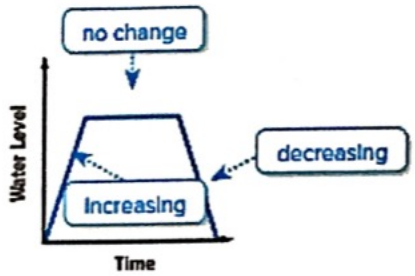
3. Graph and connect the ordered pairs. Be sure to label the axes.



B. Definition: Qualitative graph- a graph used to represent situations that may not have numerical values or graphs in which the numerical values are not included.

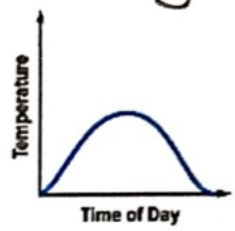


C. The graph at the right displays the water level in a bathtub. Describe the change in the temperature over time.



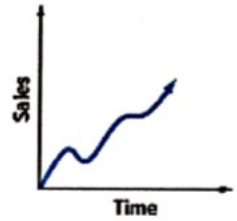
At time zero, tub is empty. As time goes by the water level increases at a steady rate. Then the water level stays the same. Finally the water level decreases at a constant rate til its empty.

D. The graph at the right displays the temperature throughout the day. Describe the change in temperature over time.



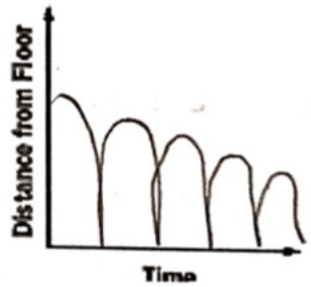
The temperature increases unil it reaches a max temperature then the temp. decreases.

E. The graph represents revenue from a local clothing store. Describe the sales over time.

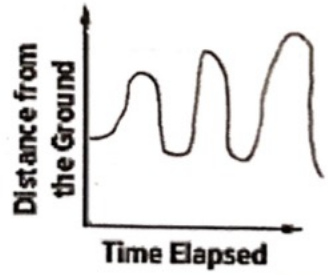


Sales increase steadily, but there is one period of time when sales decrease and another time when sales stay the same.

F. A tennis ball is dropped onto the floor. On each successive bounce, it rebounds to a height less than its previous bounce height until it comes to rest on the floor. Sketch a qualitative graph to represent the situation.



G. A child swings on a swing. Sketch a qualitative graph to represent the situation.



H. Sketch a qualitative graph to represent a car traveling at a constant speed and then slowing down steadily to come to stop at a stop sign.