



# The Wishings: Comparison of Delivery Cost and Total Cost Graphs

Directions: The table below gives the delivery cost and the total cost for electricity related to the kWh used.

1. On the same set of axes, graph the **Delivery Cost versus kWh Used** and the **Total Cost versus kWh Used**. (There should be two different line graphs.)
2. Graph the **kWh Used** on the horizontal axis.
3. Graph the **Cost** on the vertical axis.
4. Remember to scale and label each axis.
5. Identify which graph is which.

kWh Used	Delivery Cost	Total Cost
20	\$8.36	\$10.16
60	\$8.36	\$13.76
80	\$8.36	\$15.56
100	\$8.36	\$17.36
120	\$9.56	\$20.36
220	\$15.54	\$35.34
300	\$20.32	\$47.32
400	\$26.31	\$62.31
500	\$32.29	\$77.29
600	\$38.27	\$92.27
660	\$41.86	\$101.26
750	\$47.24	\$114.74

Use your graphs to answer the following:

1. How are the two graphs similar?
2. How are the two graphs different?
3. What do the slopes of the graphs tell you about this situation?  
  
In other words, which graph has a steeper slope and what does this tell you?
4. Even though they are called line graphs, are they really lines? Why or why not?