Chapter journal entries:

1. Title = Displacement graphs

Purpose = 1. Determine the displacement using a distance/time graph.
2. Describe what could be happening in the displacement graph.
3. Create your own displacement graph and questions to go with it.

Procedure:

1. Draw the two graphs on the board into your journal being sure to label the axis.
2. The two graphs are both a picture of the same walk that Sue took. Describe what happened on Sue's walk and explain how you came to that conclusion.
3. How can two graphs that look different be of the same event?
4. What is the displacement of Sue's walk? Explain how you came to that answer.
5. Draw your own displacement graph and create two questions about the graph.
6. Switch journals with your partner and answer their question in their journal and sign.
7. Correct and discuss with each other the correct answers. (I will call on a couple of groups to share their discussion with the rest of the class.)

2. Title: Speed word problem:

Purpose: Practice problems of average speed, constant speed, and changing speed.

Procedure: Answer questions that follow based on the following situation.

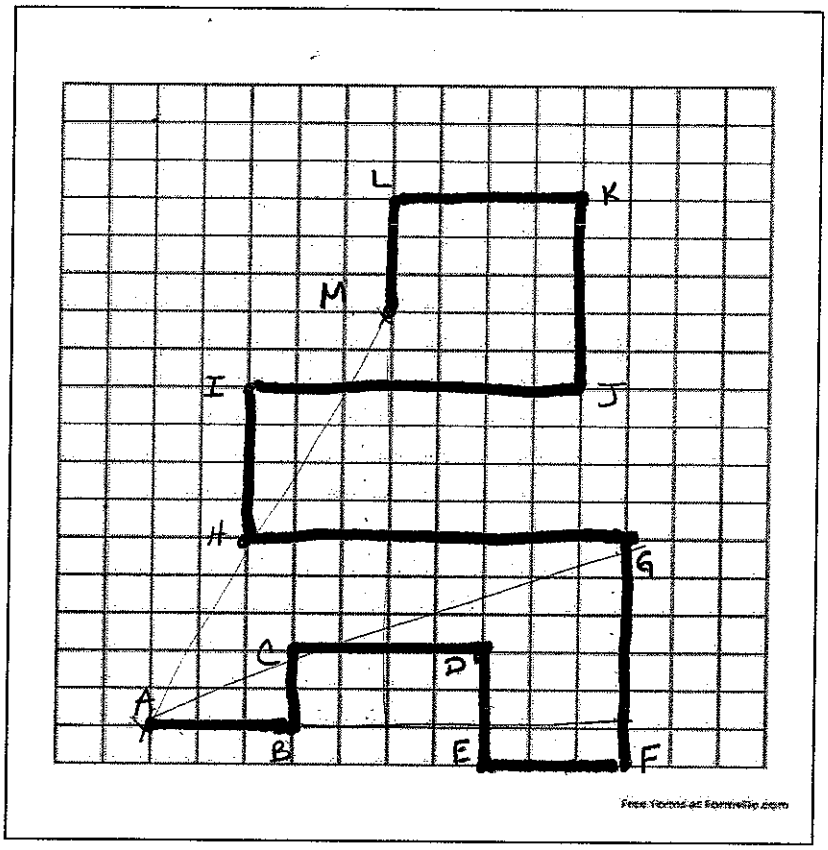
1. You are in a big hurry. You must decide to take the highway around the city or the road through the city to get to your destination.
2. The highway is 20 km and the city road is only 5 km.
3. On the highway you can go a constant speed on 75km/hr.
4. On the city road you encounter changing speeds. Every half mile there is a 1and ½ minute stop light. In between stop lights you are able to go an average speed of 40km/hr.
5. Which path is faster?
6. How much faster?
7. Show all work and be neat, organized and labeled so that you may use this information as a reference later.

Parent Journal Entry: (Use general parent journal entry directions.)

Student:

1. Ask your parents if you are fulfilling the definition of acceleration if you are slowing down while approaching a stop light.
2. Discuss the correct answer with your parents.
3. Teach them one more aspect/topic of this chapter. (Be sure you parents let me know what you taught them.)
4. Be sure that you, the student, do your own reflection as well

Down town shopping trip worksheet.



1. What is the longest vector walked? GH, 8 blocks left
2. What is the displacement of the trip when point G is reached? $10^2 + 5^2 = c^2$ $125 = c^2$ 11.2 blocks NE
3. What is the total distance traveled? 52 blocks
4. What is the displacement of the entire trip? $5^2 + 11^2 = c^2$ 12.1 blocks NE
5. What is the resultant vector when point H is reached? _____