**Guided Learning Activity (GLA)**

**College of the Canyons**

**Uniform Motion Word Problems**

**Welcome to the Uniform Motion Guided Learning Activity at College of the Canyons. This is a computer assisted tutorial on Uniform Motion word problems.**

**Student Learning Outcome: *The student will gain experience in how to set up and solve various kinds of uniform motion word problems.***

**Directions:**

**1. Log into the computer and click on the following link in order to  
 access the GLA material:** [**Uniform Motion GLA**](http://www.tcc.edu/VML/Mth03/lessons.htm)

**2. Click on the word “Motion” to access the Powerpoint  
 presentation. Read through slides #1-19. Pay particular  
 attention to the formulas, the distance diagrams and how the   
 example problems are set up by using a table.**

**3. On a separate piece of paper. Work through the four practice   
 problems given in slides #20-22. Make sure to use a table to set   
 up the problems and draw a picture to determine how the   
 distances are related. Ask a tutor to help you if you get stuck.**

**4. Check your answers on slide #23. If you did not get all four   
 practice problems correct, go on to slides #24-37 and determine   
 where you went wrong. Next to each practice problem on your   
 scratch paper, write down in complete sentences what you did  
 wrong and what steps you can take so that you will not make the  
 same mistake again in the future.**

**5. Let’s see how much you have learned. Solve the following four   
 uniform motion problems. Have a tutor check your work. The   
 answers are given below.**

**Quiz**

1. Two cars started at the same time from the same hotel and drove in opposite directions. One drove 20 miles per hour faster than the other. If they were 330 miles apart in 3 hours, find the speed of each car.
2. A family drove to a Disneyland at an average speed of 60 miles per hour and later returned home on the same road at an average speed of 70 miles per hour. If the trip home took ½ hour less than the trip to Disneyland, how long did it take for the family to get home? How far is Disneyland from the family’s home?
3. Two trains are 740 miles apart. They travel toward each other, one traveling 25 miles per hour faster than the other. If they meet in 4 hours, find the speed of each train.
4. A bus and a car travel the same route, both leaving from the same resort. The bus averages 55 miles per hour, and the car averages 65 miles per hour. If the bus leaves 2 hours before the car, how long will it take the car to catch up to the bus?

Answers: 1) 45 mph & 65 mph 2) 3 hours, 210 miles 3) 80 mph & 105 mph 4) 11 hours