QUESTIONS FOR STUDENTS:

How many days will it take to travel Route 66 given each form of transportation?

A) Go – Cart?
B) Donkey?
C) Unicycle?
D) Po-Go Stick

Is there a relationship between the distance traveled per day and the overall time taken to travel Route 66? If so, explain?

Fill in the blank:

If the miles per day increase, then the total time of the trip _____increases/decreases).

If the total time of the trip increases, then the miles per day _____increases/decreases).

Making a mathematical expression:

What mathematical operation is being used in this problem: addition, subtraction, multiplication, or division?

What is being divided? Why?

If D = "the distance of Route 66" and "R = miles traveled per day" how do you find "T = the overall time of the trip"?

Complete the equation. D = _____ * _____

Solve the equation for T. T = _____/_____

Solve the equation for R. R= _____/_____

MAKING TABLES TO ILLUSTRATE RATE OF CHANGE

Make four different tables, one for each of the methods of travel. Make four different graphs for each of the tables.

GO - KART

Day	Miles
1	250
2	
3	
4	
5	

DONKEY

Day	Miles
1	

UNICYCLE

Day	Miles
1	

PO – GO STICK

Day	Miles

ASSESSMENT OPTIONS (constructed response)

How many days will it take a person walking backwards at 20 miles a day?

If a person completed the trip in 6 days, how many miles would they cover in one day?

If a football field is 100 yards and Terrell Owens runs 2 yards in one second, then how much time will it take him to run the entire field? Explain.

EXTENSIONS:

Create a distance between 500 and 1,000 miles. List 3 different rates per mile. Calculate the time travel for each rate.

Choose a constant time between 5 and 10 hours. Use the rates from the previous problem and calculate the 3 distances.