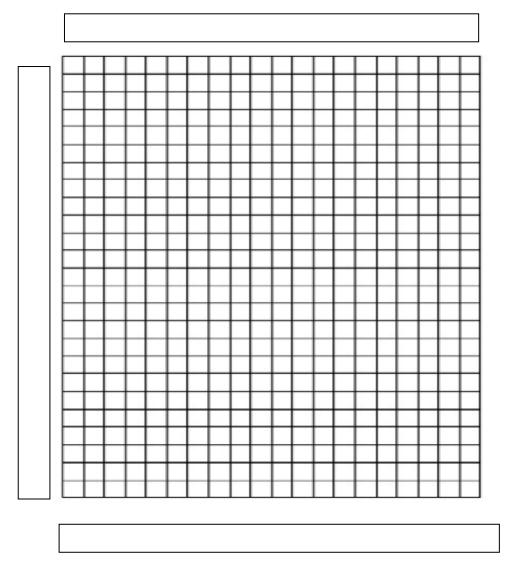
MiSP Speed Worksheet #2 L2

Name:	_ Date:

Yesterday you calculated the speed at which three characters from the movie *Cars could travel. Today you will graph the data.*

Cars

Directions: Use the data for each of the cars to graph the relationship between time and distance. The relationships will all be linear.



Analysis:

Fillmore:

1. Use the formula below to find the slope of the line.

Slope of a line =
$$\Delta y$$
 or Slope of a line = $(y_2 - y_1)$ $(x_2 - x_1)$

a. Calculate the slope of the Fillmore line:

$$(20, 20)$$
 and $(40, 40)$
 (x_1, y_1) (x_2, y_2)

Slope of a line =
$$(y_2 - y_1) = (x_2 - x_1)$$



b. What else does the slope represent?

Lightning McQueen:



1. Calculate the slope of the line for Lightning McQueen, using any points you would like.

$$(x_1, y_1)$$
 and (x_2, y_2)

2. Calculate the slope, using the appropriate formula and showing all of your work:

Formula:

Slope of a line
$$\equiv$$
 (-)

<u>Luigi:</u>

3. Calculate, using the appropriation of the second	iate formula:	
Formula:		
Slope of a line $=$ (-)		
(-)	Slope =	Ξ
Was your prediction correct?		
ecord your data here:		
Car <u>Time</u>	Distance Spe	ed <u>Slope</u>
illmore		
ightning McQueen		