

Name: _____

Block: _____

Date: _____

Science 9

- GRAPHING

A transport company wished to cut down its operation costs by adding a fuel additive fuel its vehicles used. It then wanted to know if it was worthwhile doing so. The company measured how much fuel was burned with the additive every 5 km over a distance of 60 km. The data collected was as follows

Distance Traveled (km)	Fuel burned (L)
5	0.25
10	0.90
15	1.60
20	1.80
25	2.25
30	2.70
35	3.00
40	3.60
45	4.05
50	4.70
55	5.11
60	5.20

Graph the above data and answer the following questions. Remember to place the dependant and independent variables on the correct axis, label the axis correctly, use the correct scale (at least $\frac{1}{2}$ of the graph in both directions) with the correct units and supply the correct and complete title.

1. Which variable is the independent variable?

2. Which variable is the dependent variable?

3. At 0 km what must the amount of fuel burned?

4. At what rate would this fuel be burned (calculate slope)?
