Date: KEY

9.1 Notes: Analysing Graphs of Linear Relations

Betty is babysitting for the Jones. They are going to pay her \$5 per hour, plus a bonus of \$8 because the Jones children are very young and need extra care. She decides to make a table to see how much she will earn.

×	У		
Hours	Money		
worked	earned		
0	8		
1	13		
2	18		
3	23		

A table of values is: a table showing two related variables. The table is used to find values of one variable by generating values of another

Note: This table could also be drawn as a horizontal table Convert this to a horizontal table in the space below:

20	0	1	2	3	
y	8	13	18	23	



Another way to represent a table of values is to draw a graph.

Why is a line graph more appropriate than a bar graph or a pictograph?

Because both axes are numeric.

What do you notice about the pattern made by the dots on the graph?

Often the pattern made by the dots on a graph can be used to make predictions.

The following graph shows how much it costs to buy blank DVD's.

