Name _____   Date _____

Using Straight Lines to Model Relationships- Step-by-Step Lesson

Lesson 1 Relationship Problem:

Write the relationship between the prices of the items and the number of items sold.

Items	Number of items sold	Price of items (cents)
Lamp	10	500
Wall hanging	15	800
Antique showpiece	25	1000
Fan	30	1200
Bag	35	1500
Purse	40	2000
Belt	45	2500

Explanation:

When we are looking to determine if a relationship exists, we have to graph the data. We should know that a relationship does exist if the line of best fit is raising or falling. A raising line would indicate a positive relationship. A falling line would indicate a negative relationship.

Now we have to graph the data.

So, this graph indicates a steadily rising line of best fit. This indicates a positive relationship between price of items and number of items sold.

This would indicate that the more an item costs, the more you would sell of it.