**Patterning and Algebra**

**Unit 1 Line Master 2a**

Buying Video Games

In 14 weeks, Zac earned $504 to buy some video games for   
a children’s hospital. Each game costs $64.

Complete the table to show how many games Zac can buy.

|  |  |  |
| --- | --- | --- |
| **Number of Games Bought, *n*** | **Total Money Spent ($), *S*** | **Money Left Over ($), *L*** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Write a rule and algebraic expression that relate the number of games and the total money spent.

Is it an increasing or a decreasing function?

**Patterning and Algebra**

**Unit 1 Line Master 2b**

Buying Video Games (cont’d)

Write a rule and algebraic expression that relate the number of games and the money left over.

Is it an increasing or a decreasing function?

How many video games can Zac buy? Show your work.  
Is there money left over? Explain.