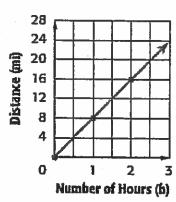
Multiple Representations

Tunctions can be represented using:

- 1.) Words: A runner's distance in a marathon is equal to 8 miles per hour times the number of hours.
- 2.) Equation: d = 8t
- 3.) Table:

Time (b)	Distance (mi)	
0	0	
1	8	
2	16	

4.) <u>Graph:</u>



Guided Practice

Words: The school cafeteria sells lunch passes that allow a student to purchase any number of lunches in advance for \$3 per lunch.

Write an equation to find "t", the total cost in dollars for a lunch pass with "n" lunches.

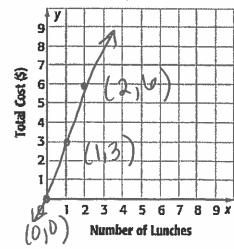
 $n \cdot 3 = t$ 3n = t

b.) Make a function table to show the relationship between the number of lunches "n" and cost "t."

.3/

Number of Lunches, n	0	1	2
Total Cost (\$), t	D	. 3	6

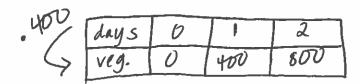
c.) Graph the ordered pairs. Analyze the graph.



The graph is a line because every lunch costs \$3.

Partner Talk

An African elephant eats 400 pounds of vegetation each day. Write an <u>equation</u> to find "v," the number of pounds of vegetation an African elephant eats in "d" days.



Building on the Essential Question - Why do you represent functions in different ways?

to be able to analyze the relationship in different representations

Rate Yourself - Are you ready to move one? Shade the section that applies.







Clear Som

SomeWhat

Not So