

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Think**

Alexa is training to bike 100 miles. During her first week of training, she bikes 12 miles. On her fifth week she bikes 40 miles. If she continues to advance like this, on what week will she be able to bike 96 miles? (For Honors class, say 100 miles) [you can add in-solve this problem using two different methods)

**Talk Idea**

- Find slope
- Count by sevens all the way up to 96

**Talk Idea**

- Find slope
- Find y-intercept
- Write an equation and solve for  $y=96$

**Talk Idea**

- Find slope
- Y- intercept
- Graph and find where the line is at  $y=96$ .

**We Understand**

- How to read a word problem and state the ordered pairs from it
- How to find slope with two ordered pairs
- How to find the y-intercept with a point and a slope
- How to write a linear equation once you have the slope and y-intercept
- Using a linear equation to solve for x, when given y