**WHAT YOU NEED TO KNOW FOR:**

**LEARNZILLION 8**

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

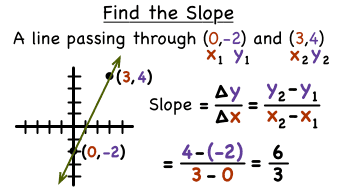
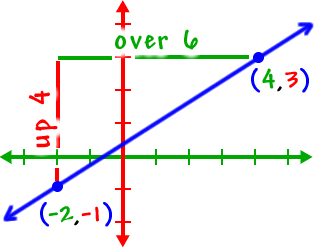
**Due on the second Friday of the school year!**

**The Learnzillion Math 8 teachers have selected the following topics for summer review.** Students should complete the attached practice problems. Online resources for students who need help are provided in each section. Additional online practice can be found at the resource sites and are listed below.

**Topics:**

* Finding Slope from 2 Points
* Four Quadrant Coordinate Graphing
* Place Value
* Plotting Points
* Comparing Numbers
* Ordering Integers
* Adding with Negative Numbers

**Finding Slope from 2 Points**

**A picture containing man, holding, game, people

Description automatically generatedDetermine the slope by using the graph or the equation. This video may help:** [**https://youtu.be/zihsQC0IUd8**](https://youtu.be/zihsQC0IUd8)

**A picture containing bird, flower

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**Four Quadrant Coordinate Graphing**

**A screenshot of a cell phone

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**Place Value**

Use this place value chart to help you determine the correct answer.

A close up of a piece of paper

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1) What digit is in the **tens place** in the number 7,836? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) What digit is in the **hundreds place** in the number 1,846? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) What digit is in the **thousands place** in the number 6,587? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) What digit is in the **ten thousands place** in the number 64,953? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) What digit is in the **hundred thousands place** in the number 5,289,647? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) What digit is in the **millions place** in the number 8,231,965? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) What digit is in the **ones place** in the number 7,859,324? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8) What digit is in the **tens place** in the number 3,485? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9) What digit is in the **hundreds place** in the number 498,321? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10) What digit is in the **thousands place** in the number 6,529? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11) What place is the 9 at in the number 6,2**9**5,831? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12) What place is the 2 at in the number **2**75,684? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13) What place is the 9 at in the number **9**,683,745? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14) What place is the 1 at in the number **1**? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15) What place is the 2 at in the number 64,1**2**7? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16) What place is the 8 at in the number 76,**8**35? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17) What place is the 2 at in the number 4**2**,316? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18) What place is the 6 at in the number 8**6**3,192? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19) What place is the 9 at in the number **9**58,142? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20) What place is the 4 at in the number **4**,796,318? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Plotting Points**

**A close up of a map

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**A close up of a map

Description automatically generated**

**Comparing Numbers**

Use this number line to help you compare the two values using the inequality symbol or the equals symbol.

****

**smaller greater**

**values values**

**A picture containing clock

Description automatically generated**

**A picture containing clock

Description automatically generated**

You may also use this website to create your own number line.

<https://www.helpingwithmath.com/printables/others/NumberLineGenerator01.htm>

**Ordering Integers**

Use the following integers number line to help you order the values.

**A close up of a clock

Description automatically generated**

**Circle the row that has the numbers ordered in the correct order.**

**A close up of text on a white surface

Description automatically generated**

**Adding with Negative Numbers**

**A close up of a piece of paper

Description automatically generated**

**Move forward 6**

**Move back 9**

**Move back 13**