**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**

 

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

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**Four Quadrant Coordinate Graphing**

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**Place Value**

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



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**

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**Comparing Numbers**

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

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**smaller greater**

**values values**

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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.

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

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**Adding with Negative Numbers**

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**Move forward 6**

**Move back 9**

**Move back 13**