6th Grade Math Name:

**On this review there are QR Codes next to certain questions. If you are having trouble with a question, scan the QR Code tied to that problem for extra help. You can download a FREE QR Scanner on your Smart Phone/Tablet if it has a camera.**

**Unit5 –Review:** Integers Date:

 Period:

*REMEMBER: Partial credit is granted only when work is shown and comprehensible!*

**Questions with #1-5?**

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**Write an integer to describe each expression below.**

1. Withdraw $673 from your checking account \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. A loss of 7 yards \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Gain 12 pounds over the holidays \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Write a situation that each integer could represent.**

4.) -63:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Questions with #6-8?**

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5.) +85: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Find the absolute value.**

6.) −|−116| = \_\_\_\_\_\_\_ 7) = \_\_\_\_\_\_\_ 8) |56| = \_\_\_\_\_\_\_\_

**Order from least to greatest. You can use decimals or common denominators.**

**9.)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**#9, 10, 23**

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**10.)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Define and give an example of each**

**Integers:**

**Definitions**

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**Rational Numbers:**

**Absolute Value:**

**Opposites:**

|  |  |
| --- | --- |
| 14. The temperature in New York city one morning was The wind chill temperature that same morning was **What was the difference in the actual and wind chill temperature?** 1. 18 degrees
2. 19 degrees
3. 25 degrees
4. 26 degrees
 | 15. The highest elevation in Africa is in Kilimanjaro which is 19,334 feet above sea level. The lowest elevation in Africa is at Lake Assal which is 509 feet below sea level. **What is the difference in elevation between the 2 locations?**1. 19,843 feet
2. 19,833 feet
3. 19,225 feet
4. 18,825 feet
 |
| 16. Mrs. Fernandez starts out with $255 in her checking account. She deposits $35 on Monday. Tuesday afternoon she writes a check fro $75. **Which expression could be used to find her new account balance?**1. 255 + 35 - 75
2. 255 – 35 - 75
3. -255 + 35 - 75
4. 255 + 35 + 75
 | 17. On a number line, **what is the distance between -15 and its opposite?**1. 30 units
2. -15 units
3. 15 units
4. -30 units
 |
| 18. An ion of phosphate is composed of 15 positively charged protons and 18 negatively charged electrons. Protons have a charge of +1, and electrons have a charge of -1.**What is the overall charge of the ion of phosphate?**1. +33
2. -3
3. -33
4. +3
 | 19. Hillary lists the charge of several ions of different elements. A charge of 0 means that the ion has no charge. The farther away the charge is from 0, the more powerful the charge.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ion** | Calcium | Phosphate | Sulfide | Ammonium |
| **Charge** | +2 | -3 | -2 | +1 |

**Which ion has the *least* powerful charge?**1. Calcium
2. Phosphate
3. Sulfide
4. Ammonium
 |
| 20. **Which expression has the greatest value?** 1. 1
2. - 1
 | 21. **Six points are plotted on the number line.**Which points on the number line are opposites?1. R and S
2. P and T
3. R and U
4. P and U
 |
| 22. The table shows the elevations of 4 locations**What is the difference in elevation between Fort Worth and Dead Sea Shore?**1. 177 meters
2. 1,025 meters
3. -177 meters
4. -1,025 meters
 | 23. The temperature in Sheboygan, Wisconsin are given in the table.

|  |  |
| --- | --- |
| Day | Temperature ( |
| Monday | 5 |
| Tuesday | -5 |
| Wednesday | 3 |
| Thursday | -2 |

**Which inequality comparing the temperatures is correct?** |

**#14-16, 18-20, 22**

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**#17, 21**

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**#19, 20**

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**Review answers and work**

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**#23**

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