Rising Math 7

Summer Assignment

2018-2019

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

Please complete this work over summer and return to your Math 7 teacher the first week of class.

Complete a little each week.

SHOW ALL YOUR MATHEMATICAL THINKING!



The websites below contain tutorials, practice, and quizzes for review:

<http://www.regentsprep.org>

<http://www.math.com>

<https://www.mathgoodies.com/lessons>

<http://education.jlab.org/solquiz/>

<https://www.khanacademy.org/math/cc-sixth-grade-math>

Week 1 – Numeric Expressions

*Simplify each expression using the order of operations (GEMDAS).*

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  | 1. x 3 |

*Evaluate the expressions using absolute value.*

|  |  |  |
| --- | --- | --- |
|  |  |  |

*Compare and Order Integers. Fill in the blank with a “<” or a “>”*

|  |  |  |
| --- | --- | --- |
| 10. 0 \_\_\_\_ | 11. 10 \_\_\_\_ | 12. \_\_\_\_ 6 |

Week 2 – Fractions, Decimals, and Percents

*Multiply or divide the fractions.*

|  |  |
| --- | --- |
| 13. | 14. |
| 15. | 16. |

*Find the equivalent decimal and percent for each fraction.*

|  |  |  |
| --- | --- | --- |
| 17. | 18. | 19. |
| Decimal: | Decimal: | Decimal: |
| Percent: | Percent: | Percent: |

*Write the fractions from above in order from greatest to least.*

20.

*\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_*

Week 3 – Properties of Real Numbers

*Use the distributive property to rewrite the expression without parentheses.*

|  |  |  |
| --- | --- | --- |
| 21. | 22. | 23. |

*Identify which property is being used in each question:*

|  |  |
| --- | --- |
| Commutative Property of Addition | 24. |
| Commutative Property of Multiplication | 25. |
| Associative Property of Addition | 26. |
| Associative Property of Multiplication | 27.=1 |
| Identity Property of Addition | 28. |
| Identity Property of Multiplication | 29. |
| Additive Inverse Property | 30. |
| Multiplicative Inverse Property | 31. |
| Zero Property of Multiplication | 32. |

Week 4 – Solving Equations and

Graphing Inequalities

*Solve each equation for x using inverse operations.*

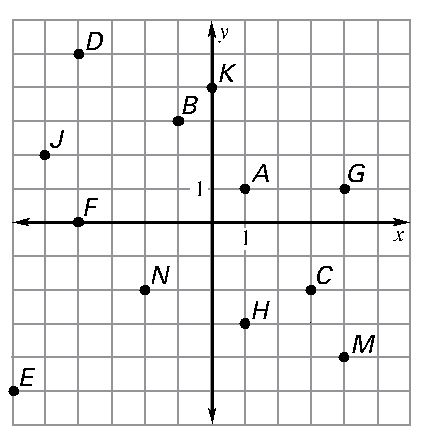
|  |  |
| --- | --- |
| 33. | 34. |
| 35. | 36. |

*Graph the solution of the inequality.*

|  |  |  |
| --- | --- | --- |
| 37. | 38. | 39. |

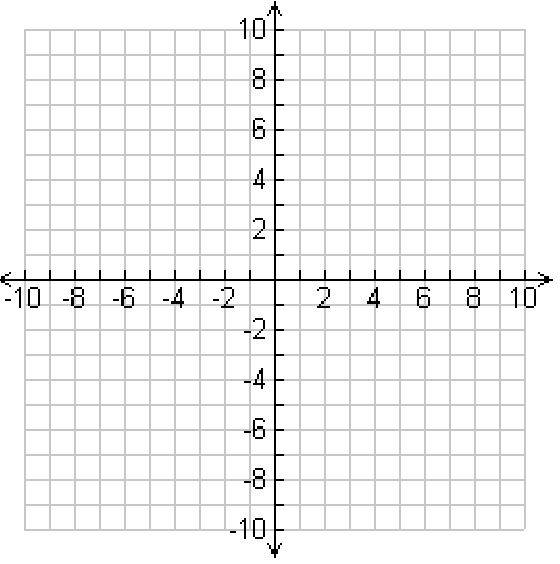
Week 5 – Coordinate Plane

*Give the coordinates of each of the following points as an ordered pair*



|  |
| --- |
| 40. A |
| 41. B |
| 42. C |
| 43. D |
| 44. E |
| 45. F |
| 46. H |
| 47. J |
| 48. K |
| 49. M |
| 50. N |

*Plot each point on the coordinate plane to the right.*



|  |
| --- |
| 52. |
| 53. |
| 54. |
| 55. |
| 56. |
| 57. |

Week 6 Probability and Statistics

*Find the probability of the following events occurring.*

58.

* Rolling a 4 on a number cube
* Flipping a coin and landing on **heads**
* Rolling an odd number on a number cube

*Create a tree diagram using the options below:*

59.

|  |  |
| --- | --- |
| **Main Course** | **Dessert** |
| Chicken Nuggets | Brownie |
| Hamburger | Cookie |
| Pizza |  |

60. Find the mean, median, mode, and range of the following test scores:

**70, 35, 55, 80, 90, 88, 71, 70, 100, 82**

Mean: Median:

Mode: Range:

Week 7 – Getting to know you

61. What part of this packet did you find easy to complete? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

62. Were there any parts that were difficult for you? If so, what?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

63. What is something you enjoyed about math in sixth grade?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

64. What is something you disliked about math in sixth grade? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

65. How confident are you that you are ready for math 7?

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