Review for Common Assessment Part 2

6.EE.B.5, 6.EE.B.7, 6.EE.B.8, 6.EE.C.9

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| 6.EE.B.5 Choose a solution for an equation or an inequality.   * Step one-Rewrite the equation or inequality, using ( ) instead of the variable. * Step two-Try each one with the value for the variable, or values if working with a set of numbers. * If working with an inequality, write the word that the inequality means. * Select the solution that makes the equation true. With an inequality, you may have more than one answer.   Try these!  Select the equation that has n=20.19 as a solution. Rewrite your equations using ( ).  n + 20 = 20.2019 3n=60.57 40.16 + n = 42.179 4n = 80.4  ( ) + 20 = 20.2019  are both sides equal?  Select the equation that has k = 4.48 as a solution. Rewrite your equations using ( ).    k + 17 = 20.8 6k=25 50.1 + k = 54.58 2k = 13.44  ( ) + 17 = 20.8  are both sides equal?  Select the set of numbers that could be values for y in the inequality y < 7. Rewrite the inequality and try each number in the set. EVERY number must work for the set to work.  y is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7  { -3, -2, 0} { 2, 6, 9} { 7, 8, 9 } { 10, 11, 12 }  Select the set of numbers that could be values for f in the inequality f > 8.  f is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8    { 3, 7, 9 } { -6, -2, 0 } { 2, 4, 6 } { 11, 12, 13 }  Be sure to check all of the numbers in each set. All must work for the entire set to work. |
| 6.EE.B.7 Find the solution to an equation.   * Always do the opposite operation in the equation. * It’s good to check your answer! * Use the box method for story problems!   Find the solution for the equation below-show your work!  k + 32 = 89 a. 52 b. 57 c. 62 d. 67  Find the solution for equation below-show your work!  5d=90 a. 20 b. 15 c. 18 d. 17  Sara wanted to buy headbands that cost $2.50. She went to the store and bought some. She spent $17.50. Which equation can be used to solve for how many headbands, h, she bought?   1. 2.50 + h = 17.50 b. 2.50h = 17.50 c. 17.50 – h = 2.50 d. 17.50h = 2.50   Chris wants to buy some game cards. He has saved $14.00 total but needs $23.00 before he can buy what he wants. Which equation shows how much he needs to still save, m, before he can go shopping?   1. 23m = 14.00 b. 14.00+m = 23.00 c. 23.00 + m = 14.00 d. 14m = 23.00 |
| 6.EE.B.8 Graph an inequality.   * Rewrite the inequality using words-this will help you decide which way the arrow goes. * Decide open circle or shaded circle. How would you know the difference? * Draw your number line. Put at least three numbers on your number line-one before the number, the number in your inequality, and then the number that comes after. * Draw your arrow.   Graph these inequalities:  d < -2.5 c > 3.1 r < -40    Choose the pair of inequalities that model the possible measurements of this problem.  Tommy is working on a project for tech ed. He is building a box that will be used to store extra books. The box must be bigger than 48 inches and smaller than 72 inches. Use b for the variable.  b < 48 and b < 72 72 < b and 48 < b b > 48 and b <72 |
| 6.EE.C.9 Independent and Dependent Variables  Describe an independent variable:  Describe a dependent variable:   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  |  |  |   The top is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ variable. ( )  The bottom is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_variable. ( )  Mike started saving for a new pair of shoes. He started with $0 and plans to save $10.00 each week from his part time job. Which table show shows how the number of weeks and the amount saved are related?   |  |  |  |  | | --- | --- | --- | --- | | 0 week | 1 week | 2 wks | 3 wks | | $0 | $10.00 | $20.00 | $30.00 |  |  |  |  |  | | --- | --- | --- | --- | | 1 week | 2 wks | 3 wks | 4 wks | | $10.00 | $10.00 | $10.00 | $10.00 |  |  |  |  |  | | --- | --- | --- | --- | | 0 week | 1 week | 2 wks | 3 wks | | $10.00 | $20.00 | $30.00 | $40.00 |  |  |  |  |  | | --- | --- | --- | --- | | 1 week | 2 wks | 3 wks | 4 wks | | $10.00 | $20.00 | $40.00 | $80 | |