Practice for ML #1 - Solving One-Step Equations (Math 7)

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| 1. **-15 = d + 5** 2. **x – 12 = -24**            1. **-124 = d – 93** 2. **-16 + x = 24** 3. **m – 12 = -18** | 1. **9b = -45** 2. - **= 40** 3. **12 =** 4. **-8x = -32** 5. -35 + x = 45 |

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| **LEARNING OBJECTIVES**  \_\_\_\_ I can compare equations and expressions  \_\_\_\_ I understand the concept of a solution for an equation  \_\_\_\_ I can use the idea of an equation acting like a balance to solve 1-step equations dealing with addition, subtraction, multiplication and division  \_\_\_\_ I can solve and check 1-step equations dealing with addition, subtraction, multiplication and division  **VOCABULARY**: Equation Constant Inverse Property Solution | | |
| **Steps for Solving Equations involving addition and subtraction**  **Example 1: Example 2:**  **x + 4 = 6 25 = d - 5** | * **GOAL**: Isolate the variable   1x = #  Step 1: Locate the variable  Step 2: Use Integer Subtraction rules (Keep Change Opposite)  Step 3: Apply Inverse Property   * Addition – Add the opposite to make ZERO * Multiplication – divide by the same number to make 1 * division – multiply by the same number to make 1.   Step 4: CHECK your answer using SUBSTITUTION   * Plug it in!! | **Steps for Solving Equations involving multiplication and division.**  **Example 3: Example 4:**  **240 = 4z** - **= 20** |

**\*\*\*Remember**: An equation is like a balanced scale. If you increase or decrease the weights by the same amount on both sides, the scale will remain balanced.

**Mini-Lesson #1 – Solving One Step Equations (Math 7)**