Foundations of Math 1 **2.1 Solving One-Step Equations** Unit 3 Day 1

**Defining Opposite**

What’s the opposite of:

1. Old
2. Up
3. Out
4. Small
5. Stinky

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **The Opposite Table** | **Addition (+)** | **Subtraction ( - )**  | **Multiplication (x)** | **Division (÷)** |
| **Word:** |  |  |  |  |
| **Symbol** |  |  |  |  |

**Finding the Opposite**

For each of the following, state what the opposite would be.

1. x + 3 = 17
2. 4x = 20
3. 
4. x – 7 = 8

**Solving One-Step Equations: Addition**

To solve one-step equations with addition, do the opposite (subtract) on **both sides** of the equation.

1. x + 5= 13
2. x + 9 = 15
3. x + 7 = 9

**Solving One-Step Equations: Subtraction**

To solve one-step equations with subtraction, do the opposite (add) on **both sides** of the equation.

1. x – 4 = 11
2. x – 6 = 14
3. x – 5 = 9

**Solving One-Step Equations: Multiplication**

To solve one-step equations with multiplication, do the opposite (divide) on **both sides** of the equation.

1. 2x = 18
2. 3x = 15
3. 4x = 24

**Solving One-Step Equations: Division**

To solve one-step equations with division, do the opposite (multiply) on **both sides** of the equation.

1. 
2. 
3. 