Recall: Order of Operation (BEDMAS)

1. Evaluate expressions within brackets.
2. Evaluate all exponents.
3. Multiply and divide from left to right.
4. Add and subtract from left to right.

Try to Solve: (2+3) x 5 – 2 x (10 ÷ 2+3)

 5 x 5 - 2 x 8

 25 - 16

 **9**

Building Expressions and Undoing an Equation



Building Expressions and Undoing an Equation

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**Using Algebra to Solve Equations**

Note: **Need to isolate the variable term & What ever you do to the left side of the equal sign, you must do to the same to the right side**

Find the solution to the equation: 5b + 15 = -5

1. Subtract 15 to each side -15 = -15

 5b = -20

1. Divide each side by 5 5 = 5

 b = -4

1. Verify the solution: 5(-4) + 15 = -5

 -20 + 15 = -5

 - 5 = -5 Left Side equal Right Side, therefore

Solution is correct

Find the solution to the equation: 16t - 77 = -13

1. Add 77 to each side +77 = +77

 16t = 56

1. Divide each side by 16 16 = 16

 b = 4

1. Verify the solution: 16( 4 ) - 77 = -13

 64 - 77 = -13

 - 13 = -13 Left Side equal Right Side, therefore

Solution is correct



Practice: 13 – 2x = 5 3 + 2t = 4 1 + 2x + 3 = 8

Verify: