Worksheet # 2:  Write the Expression or Equation Algebraically

An **algebraic expression** is a mathematical expression that will have variables, numbers and operations. The variable will represent the number in an expression or an equation. Answers may vary slightly.

1.) The difference of a number and 25 is 42
2.) The sum of a number and 10 is equal to 14
3.) 21 less than a number is 37
4.) A number cubed is equal to 25
5.) A number increased by 8 is equal to 24
6.) The difference of a number and 8 is 16
7.) The 3rd power of n is 30
8.) 5 less than a number is 47
9.) A number increased by 5 is 26
10.) 11 more than a number is equal to 14
11.) The product of a number and 12 is equal to 18
12.) The sum of a number and 8 is equal to 15
13.) 6 less than a number equals 41
14.) A number decreased by 3 is equal to 31
15.) The product of a number and 10 is 19
Worksheet #2: Answers

1.) The difference of a number and 25 is 42 \hspace{1cm} n - 25 = 42
2.) The sum of a number and 10 is equal to 14 \hspace{1cm} n + 10 = 14
3.) 21 less than a number is 37 \hspace{1cm} n - 21 = 37
4.) A number cubed is equal to 25 \hspace{1cm} n^3 = 25
5.) A number increased by 8 is equal to 24 \hspace{1cm} n + 8 = 24
6.) The difference of a number and 8 is 16 \hspace{1cm} n - 8 = 16
7.) The 3rd power of n is 30 \hspace{1cm} n^3 = 30
8.) 5 less than a number is 47 \hspace{1cm} n - 5 = 47
9.) A number increased by 5 is 26 \hspace{1cm} n + 5 = 26
10.) 11 more than a number is equal to 14 \hspace{1cm} n + 11 = 14
11.) The product of a number and 12 is equal to 18 \hspace{1cm} n \cdot 12 = 18
12.) The sum of a number and 8 is equal to 15 \hspace{1cm} n + 8 = 15
13.) 6 less than a number equals 41 \hspace{1cm} n - 6 = 41
14.) A number decreased by 3 is equal to 31 \hspace{1cm} n - 3 = 31
15.) The product of a number and 10 is 19 \hspace{1cm} n \cdot 10 = 19