Translating Verbal Expressions – Terms

ADDITION:

the sum of	*the sum of* a number and three	**n + 3**
	the sum of a number and another number	**x + y**
the total of	*the total of* a number and three	**n + 3**
increased by	a number *increased by* three	**n + 3**
more than	three *more than* a number	**n + 3**
added to	three *added to* a number	**n + 3**

SUBTRACTION:

the difference of	*the difference of* a number and three	**n − 3**
decreased by	a number *decreased by* three	**n − 3**
less than	three *less than* a number	**n − 3**
minus	a number *minus* three	**n − 3**
subtracted from	three *subtracted from* a number	**n − 3**

MULTIPLICATION:

the product of	*the product of* a number and three	**n•3 or 3n**
times	three *times* a number	**3n**
twice, thrice	*twice* an number, *thrice* a number	**2n, 3n**
multiplied by	four *multiplied by* a number	**4n**
of	three-fourths *of* a number	**(¾)n**

DIVISION:

the quotient of	*the quotient of* a number and three	**n/3**
divided by	a number *divided by* three	**n/3**
ratio of	the *ratio of* a number and three	**n/3**

POWER:

square of	the *square of* a number	x^2
cube of	the *cube of* a number	x^3

CONSECUTIVE INTEGERS:

consecutive integers	three *consecutive integers*	**x, x + 1, x + 2**
consecutive even integers	three *consecutive even integers*	**x, x + 2, x + 4**
consecutive odd integers	three *consecutive odd integers*	**x, x + 2, x + 4**

EQUATIONS & INEQUALITIES

is, is equal to, represents	a number *is* four	**n = 4**
is greater than (or equal to)	a number *is greater than (or equal to)* four	**n > 4, n ≥ 4**
is less than (or equal to)	a number **is less than (or equal to***)* four	**n < 4, n ≤ 4**

NOTICE where and occurs:

the sum of *x* and *y*	*and* means +	**x + y**
the difference between *x* and *y*	*and* means -	**x − y**
the product of *x* and *y*	*and* means •	**x•y**

Examples for Translating Sentences

1. The sum of twice a number and three   **2x + 3**

2. Twice the sum of a number and three   **2(x + 3)**

3. The difference of four times a number and six   **4x – 6**

4. Four times the difference of a number and six   **4(x – 6)**

5. The total of five times a number and ten is the opposite three   **5x + 10 = -3**

6. Twice the product of three and a number   **2(3x)**

7. The product of four times a number and negative two is five   **4x(-2) = 5**

8. Three less than a number is greater than two   **x – 3 > 2**

9. Six plus five times a number is less than the sum of the number and one **6 + 5x < x + 1**

10. The sum of two consecutive integers is equal to nine   **x + x + 1 = 9**

11. The sum of two consecutive odd (or even) integers   **x + x + 2**

12. Four less than three-fourths of a number $\frac{3}{4}$**x – 4**

13. The difference of a number squared and five is equal to thrice the number x^2 **– 5 = 3x**

14. The sum of the angles of a triangle   **a + b + c = 180°**