



Translating Phrases Algebraically

<u>English</u>	<u>Algebra</u>
A number	X, N, C or any variable
Is	$=$ (equal to)
Multiply, By, Times, Product	multiplication [$\cdot, X, ()$]
Sum, added to, increased by, More than	addition [$+$]
Difference, Subtracted from, Decreased by, less than	subtraction [$-$]
Twice a number, double a number	$2X$ [2 times the variable]
5 more than a number	$X + 5$
7 less than a number	$X - 7$
3 more than twice a number	$2X + 3$
6 less than twice a number is 2	$2X - 6 = 2$
3 consecutive integers (Regardless of what X is, consecutive integers are counted by 1's)	$X, X + 1, X + 2$
3 consecutive odd integers (or even) (Regardless of what X is, consecutive odd or even integers are counted by 2's...every other number.)	$X, X + 2, X + 4$



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