

March 2, 2016

<u>Operation</u>	<u>Result</u>	<u>Formula</u>
Addition	Sum	$a+b$
Subtraction	Difference	$a-b$
Multiplication	Product	ab
Division	Quotient	$\frac{a}{b}$

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Consecutive Numbers

1 → 2 → 3 → 4 → 5
 67 → 68 → 69 → 70 → 71

① Let n be the first number of a list of consecutive numbers.

1	2	3	4
n	$n+1$	$n+2$	$n+3$
67	68	69	70

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① Consecutive odd numbers

1	3	5	7
n	$n+2$	$n+4$	$n+6$

② Consecutive Even numbers

2	4	6	8
n	$n+2$	$n+4$	$n+6$

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① n ② $n+1$ ③ $n+2$ = -66

~~n~~ + $n+1$ + $n+2$ = -66

or $3n+3 = -66$
 $3n = -69$
 $n = -23$

if $n = -21$
 $n+1 = -21+1 = -20$
 $n+2 = -21+2 = -19$
 $-21 + (-20) + (-19) \neq -66$

$n = -23$
 $n+1 = -23+1 = -22$
 $n+2 = -23+2 = -21$
 $-23 + (-22) + (-21) = -66$

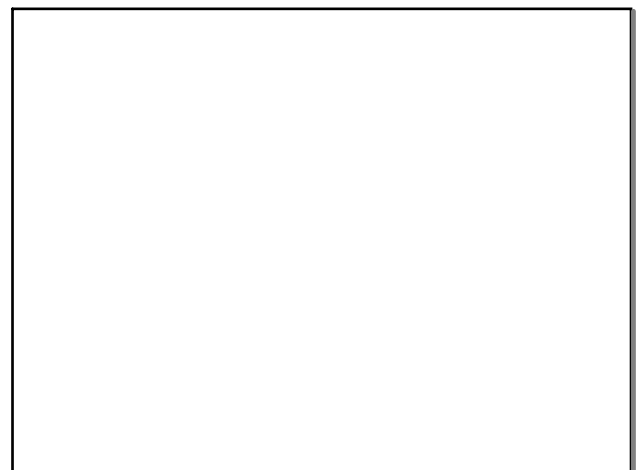
$\begin{array}{r} 23 \\ 22 \\ 21 \\ \hline -66 \end{array}$

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① n''	② $2n''$	③ $3n''$	= 60''
10''	20''	30''	

$n + 2n + 3n = 60$
 $6n = 60$
 $n = 10''$

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