

## Review of Consecutive Integers

<b><u>Consecutive Integers</u></b>	<b><u>Consecutive Even/Odd Integers</u></b>
5, 6, 7	6, 8, 10
10,11,12	5,7,9
<b><u>Defining Variables</u> – Consecutive Integers</b>	<b><u>Defining Variables</u> – Consecutive Even/Odd Integers</b>
Let x = <u>first</u> consecutive integer	Let x = <u>First</u> consecutive even/odd integer
X+1 = <u>second</u> consecutive integer	X+2 = <u>second</u> consecutive even/odd integer
X+ 2 = <u>third</u> consecutive integer	X+ 4 = <u>third</u> consecutive even/odd integer
<b><u>Example 1:</u></b>	<b><u>Example 1:</u></b>
The <u>sum</u> of 3 consecutive integers is 12.	The <u>sum</u> of 3 consecutive odd integers is 27
$X + (X + 1) + (X+2) = 12$	$X + (X+2) + (X+4) = 27$
$3X + 3 = 12$	$3X + 6 = 27$
$3X + 3 - 3 = 12 - 3$	$3X + 6 - 6 = 27 - 6$
$3X = 9$	$3X = 21$
$3X/3 = 9/3$	$3X/3 = 21/3$
$X = 3$	$X = 7$
$(X + 1) = 3 + 1 = 4$	$(X+2) = 7 + 2 = 9$
$(X + 2) = 3 + 2 = 5$	$(X +4) = 7 + 4 = 11$
3, 4, 5	7, 9 , 11