Way Cool Algebra Do NOT Write on Worksheet **Master Johnson**

Writing Equations – Words Consecutive Integers September 16, 2009

Show the setup of each problem, write an equation, and solve.

1) Find two consecutive numbers that have the sum of 321.	2) Find three consecutive numbers that have the sum of 321.
3) Find two consecutive integers whose sum is -45.	4) Find three consecutive integers whose sum is –21.
5) Two pages that face each other have 569 as the sum of their page numbers. What are the page numbers?	6) The numbers on two consecutively numbered gym lockers have a sum of 137. What are the locker numbers?
7) The sum of two consecutive check book check numbers is 357. Find the numbers.	8) The sum of three consecutive odd integers is 63. Find the integers
9) Find three consecutive odd integers whose sum is 141.	10) The sum of three consecutive even integers is 48. What are the numbers?
11) Find two consecutive odd numbers whose sum is 44.	12) Find three consecutive even numbers whose sum is -72.
13) The sum of three consecutive even integers is 60. What are the numbers?	14) Two houses on the same side of the street have house numbers that are consecutive even integers with the sum of 58. What are the two house numbers?
15) Find two consecutive even integers such that the smaller added to three times the larger gives a sum of 46.	16) Find two consecutive odd integers such that twice the larger is 17 more than the smaller.
17) Find two consecutive odd integers such that seven times the first equals five times the second.	18) Find two consecutive even integers such that six times the first equals five times the second.
19) When the smaller of two consecutive integers is added to three times the larger, the result is 43. Find the integers.	20) If five times the smaller of two consecutive integers is added to three times the larger, the result is 59. Find the integers.
21) If 6 is subtracted from the largest of three consecutive odd integers, with this result multiplied by 2, the answer is 23 less than the sum of the first and twice the second of the integers. Find the integers.	
22) If the first and third of three consecutive even integers are added, the result is 22 less than three times the second integers. Find the integers.	

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