

Algebra RH

Essential Questions: What are consecutive integers? How do we solve word problems involving consecutive integers?

Do Now:

Mo, Larry and Curly are comparing their weights as they wait for Math class to begin. Mo and Larry together weigh 150 lbs more than Curly. Use M , L and C as variables and write as many equations as possible to represent this relationship.

Examples:

1. The larger of two numbers is 1 less than twice the smaller. Three times the smaller is 6 less than twice the larger. Find both numbers.

2. Sue is 6 years younger than Al. Three times Sue's age is 10 more than twice Al's age. Find both of their ages.

<u>Consecutive Integers</u>	<u>Consecutive Odd/Even Integers</u>

3. Find three consecutive positive odd integers so that the largest decreased by 3 times the second is 47 less than the smallest.
4. Find three consecutive integers such that 5 times the second is 22 more than twice the sum of the smallest and largest.
5. Find three consecutive negative even integers such that the difference between the largest and smallest is 16 more than the second.