

Name:

Date:

Period:

Make sure to use the proper "LET" statements for each problem. CIRCLE the word EVEN or ODD if it is in the problem. Remember to write your sentence by substituting the value for x into the "Let" statements.

Consecutive Integer	Consecutive Even Integer	Consecutive Odd Integer
Let $x =$ 1 st consecutive integer	Let $x =$ 1 st consecutive even integer	Let $x =$ 1 st consecutive odd integer
Let $x + 1 =$ 2 nd consecutive integer	Let $x + 2 =$ 2 nd consecutive even integer	Let $x + 2 =$ 2 nd consecutive odd integer
Let $x + 2 =$ 3 rd consecutive integer	Let $x + 4 =$ 3 rd consecutive even integer	Let $x + 4 =$ 3 rd consecutive odd integer

Show all work on separate piece of paper.

1. Find four consecutive integers whose sum is 82.
2. Find four consecutive odd integers such that the sum of the first three is 30 more than the fourth.
3. Find four consecutive even integers such that the sum of the third and fourth is 6 less than four times the first.
4. The sum of three consecutive integers is 147. Find the integers.
5. Find three consecutive odd integers such that twice the sum of the first and the second is 5 more than three times the third.
6. Find four consecutive odd integers such that the sum of the first three exceeds twice the fourth by 5.
7. Find three consecutive odd integers such that the sum of the first and third is 37 more than the second.
8. Find three positive consecutive odd integers such that the largest decreased by twice the second is equal to 10 less than the smallest.
9. The lengths of the sides of a triangle are consecutive odd integers. What is the length of the longest side if the perimeter is 45?
10. Find three consecutive odd integers such that the sum of the first and second is 31 less than 3 times the third.