

Name: _____

Consecutive Integers

Date: _____

Period: _____

Consecutive Integers

Directions: Write the appropriate LET statement for the following word problems.

1. If x is an integer, list the next 4 consecutive integers in terms of x .

2. If x is an **even** integer, list the next 4 even consecutive integers in terms of x .

3. If x is an **odd** integer, list the next 4 consecutive odd integers in terms of x .

Directions: Use the LET statement and write an equation to solve the following problems.

4. Find two consecutive integers whose sum is 95.

5. Find three consecutive integers whose sum is 168.

6. Find three consecutive odd integers such that the sum of the first and third equals the sum of the second and 31.

7. Find 3 consecutive even integers such that 4 times the first decreased by the second is 12 more than twice the third.

8. Is it possible to find 3 consecutive integers whose sum is 59? Explain.

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Consecutive Integers HOMEWORK

1.

The sum of three consecutive odd numbers is 93. Find the numbers.

[A] 29, 30, 31

[B] 29, 31, 33

[C] 27, 31, 35

[D] 30, 31, 32

2.

Find three consecutive integers with sum 204.

3.

Find three consecutive integers with sum -99 .

4.

Find three consecutive odd integers such that the sum of the first and third equals the sum of the second and 43.