

Pre-Quiz: Finding the nth Term Geometry Honors

1. What is the sum of the first 550 odd integers?
2. What is the sum of the first 930 even integers?
3. What is the sum of the first 320 consecutive integers?
4. Find the sum of all the integers beginning with 333 and ending with 753.
5. Find the sum of all the odd integers beginning with 453 and ending with 789.
6. Find the sum of all the even integers beginning with 426 and ending with 628.
7. Find the nth term of the following values: -3, 8, 15, 24, 35
8. Find the nth term of the following values: 6, 21, 40, 63, 90
9. Find the value of the 90th term of the following values: 2, 9, 20, 35, 54, 77
10. Find the 65th term of the following values: 5, $40/3$, $77/3$, 42, $187/3$
11. Find the value of the 50th term of the following values: 6, 25, 56, 99, 154, 221
12. Find the next term in the following sequence: 6, 4, $8/3$, $16/9$, $32/27$.
13. Find the next term in the following sequence: 1, 6, 27, 65, 122, 201.
14. similar to #12 so no need to create another one
15. Find the next term in the following sequence: 10, 60, 140, 255, 411, 615
16. How many different groups of 3 can be formed in a class of 35 students?