

## Answers

1. Arithmetic;  $t_n = 4n - 2$
2. Geometric;  $t_n = (-1/3)(-3)^n$
3. Geometric;  $t_n = (1024)(1/4)^n$
4. Arithmetic;  $t_n = -7n + 24$
5.  $87/2$
6. 6561
7.  $-4$
8. 1234; 12345
9. Explicit:  $t_n = 15n - 5$ ; Recursive  $t_1 = 10$ ,  $t_n = t_{n-1} + 15$
10.  $t_1 = 3$ ,  $t_n = t_{n-1} + 4n$
11. 5300
12. 131068
13. # multiples = 60; sum = 13140