

**11-1 Skills Practice****Arithmetic Sequences****Find the next four terms of each arithmetic sequence.**

1. 7, 11, 15, ...

2. -10, -5, 0, ...

3. 101, 202, 303, ...

4. 15, 7, -1, ...

5. -67, -60, -53, ...

6. -12, -15, -18, ...

**Find the first five terms of each arithmetic sequence described.**

7.  $a_1 = 6, d = 9$

8.  $a_1 = 27, d = 4$

9.  $a_1 = -12, d = 5$

10.  $a_1 = 93, d = -15$

11.  $a_1 = -64, d = 11$

12.  $a_1 = -47, d = -20$

**Find the indicated term of each arithmetic sequence.**

13.  $a_1 = 2, d = 6, n = 12$

14.  $a_1 = 18, d = 2, n = 8$

15.  $a_1 = 23, d = 5, n = 23$

16.  $a_1 = 15, d = -1, n = 25$

17.  $a_{31}$  for 34, 38, 42, ...

18.  $a_{42}$  for 27, 30, 33, ...

**Complete the statement for each arithmetic sequence.**

19. 55 is the   ?th term of 4, 7, 10, ...

20. 163 is the   ?th term of -5, 2, 9, ...

**Write an equation for the  $n$ th term of each arithmetic sequence.**

21. 4, 7, 10, 13, ...

22. -1, 1, 3, 5, ...

23. -1, 3, 7, 11, ...

24. 7, 2, -3, -8, ...

**Find the arithmetic means in each sequence.**

25. 6,   ?,   ?,   ?, 38

26. 63,   ?,   ?,   ?, 147