# Algebra 2

# CREatE and COLOR



## Terms in an Arithmetic Sequence

# Terms in an Arithmetic Sequence Create and Color

**Directions:** Find the stated term using the explicit formula for each arithmetic sequence below. Then, find the box that contains your answer and follow the directions for that box.  Show your work on a separate sheet of paper.  Color your creations when you are done!

| Explicit Formula | Term | Directions |
|---|---|---|
| 1.  $a_n = 11.9 - 5.2n, a_{19}$ | _____ | Draw a leaf |
| 2.  $a_n = 2.7 + 5.8n, a_8$ | _____ | Fill the space with random squiggly lines |
| 3.  $a_n = -1 + 6n, a_{12}$ | _____ | Draw a triangle |
| 4.  $a_n = 3 + 6n, a_9$ | _____ | Draw a block letter C |
| 5.  $a_n = 13.3 + 7.2n, a_9$ | _____ | Fill the space with various sized circles |
| 6.  $a_n = 12 - 5n, a_5$ | _____ | Draw a cloud |
| 7.  $a_n = 22 + 7n, a_{15}$ | _____ | Draw a block plus sign |
| 8.  $a_n = 31 - 6n, a_{17}$ | _____ | Fill the space with various sized vertical stripes |
| 9.  $a_n = 27.6 - 7.9n, a_{15}$ | _____ | Draw an arrow pointing to the right |
| 10. $a_n = 28 - 5n, a_{16}$ | _____ | Draw a peace sign |
| 11. $a_n = 3 + 7.3n, a_9$ | _____ | Draw a regular pentagon |
| 12. $a_n = 30 - 5n, a_{17}$ | _____ | Fill the space with dots of various colors |

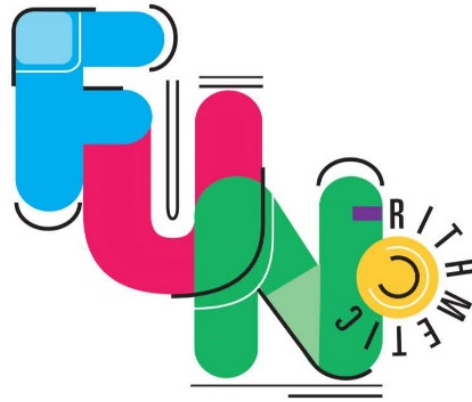| | | |
|---|---|---|
| 57 | −90.9 | −13 |
| 127 | −86.9 | 68.7 |
| 78.1 | −55 | 71 |
| −71 | −52 | 49.1 |

Name_____Date_____

# Terms in an Arithmetic Sequence Create and Color—Answer Key

**Directions:** Find the stated term using the explicit formula for each arithmetic sequence below. Then, find the box that contains your answer and follow the directions for that box.  Show your work on a separate sheet of paper.  Color your creations when you are done!

| Explicit Formula | Term | Directions |
|---|---|---|
| 1.  $a_n = 11.9 - 5.2n, a_{19}$ | −86.9 | Draw a leaf |
| 2. $a_n = 2.7 + 5.8n, a_8$ | 49.1 | Fill the space with random squiggly lines |
| 3. $a_n = -1 + 6n, a_{12}$ | 71 | Draw a triangle |
| 4. $a_n = 3 + 6n, a_9$ | 57 | Draw a block letter C |
| 5. $a_n = 13.3 + 7.2n, a_9$ | 78.1 | Fill the space with various sized circles |
| 6. $a_n = 12 - 5n, a_5$ | −13 | Draw a cloud |
| 7. $a_n = 22 + 7n, a_{15}$ | 127 | Draw a block plus sign |
| 8. $a_n = 31 - 6n, a_{17}$ | −71 | Fill the space with various sized vertical stripes |
| 9. $a_n = 27.6 - 7.9n, a_{15}$ | −90.9 | Draw an arrow pointing to the right |
| 10. $a_n = 28 - 5n, a_{16}$ | −52 | Draw a peace sign |
| 11. $a_n = 3 + 7.3n, a_9$ | 68.7 | Draw a regular pentagon |
| 12. $a_n = 30 - 5n, a_{17}$ | −55 | Fill the space with dots of various colors |

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57

−90.9

−13

−127

−86.9

68.7

78.1

−55

71

−71

−52

49.1

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