**Lesson 1 Exit Ticket** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write the first five terms of each of the following number patterns.

1. Starting number: 3

Rule: Add 6.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ |

1. Starting number: 4

Rule: Add 2.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ |

1. Starting number: 22

Rule: Subtract 5.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ |

1. Starting number: 2

Rule: Multiply by 3.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ |

1. Starting number: 4

Rule: Multiply by 2.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ |

1. Starting number: 3

Rule: Add 5; then subtract 2.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ | \_\_\_ |

Identify at least one feature of the pattern shown below.

1. 18, 15, 12, 9, 6, . . .

**Lesson 1 Exit Ticket** **(KEY)**

Write the first five terms of each of the following number patterns.

1. Starting number: 3

Rule: Add 6.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **3** | **9** | **15** | **21** | **27** |

1. Starting number: 4

Rule: Add 2.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **4** | **6** | **8** | **10** | **12** |

1. Starting number: 22

Rule: Subtract 5.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **22** | **17** | **12** | **7** | **2** |

1. Starting number: 2

Rule: Multiply by 3.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2** | **6** | **18** | **54** | **162** |

1. Starting number: 4

Rule: Multiply by 2.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **4** | **8** | **16** | **32** | **64** |

1. Starting number: 3

Rule: Add 5; then subtract 2.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **3** | **6** | **9** | **12** | **15** |

Identify at least one feature of the pattern shown below.

1. 18, 15, 12, 9, 6, . . .

**The rule is “Subtract 3.” The numbers alternate between even and odd.**