



## Patterning - First Values from Rule for Decreasing Arithmetic Pattern

1

Choose the first values that this pattern rule would create

Start at 28 and subtract 5 for each term

- |   |                      |
|---|----------------------|
| A | 28, 33, 61, 94, 155  |
| B | 32, 27, 22, 17, 12   |
| C | 28, 23, 18, 13, 8    |
| D | 28, 140, 700, 3,500, |
| E | 31, 26, 21, 16, 11   |
| F | 28, 33, 38, 43, 48   |

2

Choose the first values that this pattern rule would create

Start at 33 and subtract 6 for each term

- |   |                        |
|---|------------------------|
| A | 33, 198, 1,188, 7,128, |
| B | 33, 27, 21, 15, 9      |
| C | 33, 39, 72, 111, 183   |
| D | 33, 31, 29, 27, 25     |
| E | 33, 39, 45, 51, 57     |
| F | 35, 29, 23, 17, 11     |

3

Choose the first values that this pattern rule would create

Start at 22 and subtract 4 for each term

- |   |                           |
|---|---------------------------|
| A | 22, 18, 14, 10, 6         |
| B | 22, 88, 352, 1,408, 5,632 |
| C | 22, 26, 48, 74, 122       |
| D | 21, 17, 13, 9, 5          |
| E | 22, 22, 22, 22, 22        |
| F | 22, 15, 8, 1, -6          |

4

Choose the first values that this pattern rule would create

Start at 10 and subtract 2 for each term

- |   |                |   |                |
|---|----------------|---|----------------|
| A | 7, 5, 3, 1     | B | 8, 6, 4, 2     |
| C | 10, 8, 6, 4    | D | 10, 20, 40, 80 |
| E | 10, 12, 14, 16 | F | 10, 12, 22, 34 |

5

Choose the first values that this pattern rule would create

Start at 17 and subtract 4 for each term

- |   |                |   |                |
|---|----------------|---|----------------|
| A | 17, 14, 11, 8  | B | 20, 16, 12, 8  |
| C | 17, 21, 25, 29 | D | 17, 21, 38, 59 |
| E | 17, 17, 17, 17 | F | 17, 13, 9, 5   |

6

Choose the first values that this pattern rule would create

Start at 23 and subtract 4 for each term

- |   |                    |
|---|--------------------|
| A | 23, 16, 9, 2, -5   |
| B | 23, 19, 15, 11, 7  |
| C | 23, 27, 31, 35, 39 |
| D | 26, 22, 18, 14, 10 |
| E | 20, 16, 12, 8, 4   |
| F | 21, 17, 13, 9, 5   |

7

Choose the first values that this pattern rule would create

Start at 21 and subtract 4 for each term

- |   |                    |
|---|--------------------|
| A | 21, 20, 19, 18, 17 |
| B | 23, 19, 15, 11, 7  |
| C | 21, 17, 13, 9, 5   |
| D | 18, 14, 10, 6, 2   |
| E | 22, 18, 14, 10, 6  |
| F | 24, 20, 16, 12, 8  |

8

Choose the first values that this pattern rule would create

Start at 13 and subtract 2 for each term

- |   |                      |
|---|----------------------|
| A | 13, 26, 52, 104, 208 |
| B | 13, 15, 28, 43, 71   |
| C | 13, 11, 9, 7, 5      |
| D | 13, 9, 5, 1, -3      |
| E | 10, 8, 6, 4, 2       |
| F | 13, 15, 17, 19, 21   |