



Math worksheet on 'Patterning - First Values from Rule for Increasing Arithmetic Pattern (Level 1)'. Part of a broader unit on 'Patterns and Sums - Intro'

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1

Choose the first values that this pattern rule would create

Start at 3 and add 2 for each term

<b>a</b> 3, 6, 12, 24, 48	<b>b</b> 3, 5, 7, 9, 11
<b>c</b> 3, 5, 8, 13, 21	<b>d</b> 6, 8, 10, 12, 14
<b>e</b> 3, 7, 11, 15, 19	<b>f</b> 3, 1, -1, -3, -5

2

Choose the first values that this pattern rule would create

Start at 2 and add 2 for each term

<b>a</b> 5, 7, 9, 11	<b>b</b> 2, 4, 6, 8
<b>c</b> 2, 7, 12, 17	<b>d</b> 2, 4, 6, 10
<b>e</b> 2, 4, 8, 16	<b>f</b> -2, 0, 2, 4

3

Choose the first values that this pattern rule would create

Start at 1 and add 4 for each term

<b>a</b> 2, 6, 10, 14, 18
<b>b</b> 1, 5, 9, 13, 17
<b>c</b> 0, 4, 8, 12, 16
<b>d</b> -3, 1, 5, 9, 13
<b>e</b> 1, -3, -7, -11, -15
<b>f</b> 1, 8, 15, 22, 29

4

Choose the first values that this pattern rule would create

Start at 3 and add 4 for each term

<b>a</b> 3, 8, 13, 18, 23
<b>b</b> 3, 11, 19, 27, 35
<b>c</b> 3, 7, 11, 15, 19
<b>d</b> 3, 12, 48, 192, 768
<b>e</b> 3, -1, -5, -9, -13
<b>f</b> 5, 9, 13, 17, 21

5

Choose the first values that this pattern rule would create

Start at 1 and add 2 for each term

<b>a</b> 1, 7, 13, 19	<b>b</b> 1, 0, -1, -2
<b>c</b> -3, -1, 1, 3	<b>d</b> 1, 2, 4, 8
<b>e</b> 1, 3, 5, 7	<b>f</b> 1, 3, 4, 7

6

Choose the first values that this pattern rule would create

Start at 3 and add 3 for each term

<b>a</b> 3, 8, 13, 18	<b>b</b> 3, 6, 9, 12
<b>c</b> 3, 9, 27, 81	<b>d</b> 3, 7, 11, 15
<b>e</b> 3, 4, 5, 6	<b>f</b> 3, 6, 9, 15

7

Choose the first values that this pattern rule would create

Start at 2 and add 6 for each term

<b>a</b> 2, 8, 14, 20	<b>b</b> 2, 12, 72, 432
<b>c</b> 2, 5, 8, 11	<b>d</b> 6, 12, 18, 24
<b>e</b> 2, 8, 10, 18	<b>f</b> 2, -4, -10, -16