



Math worksheet on 'Patterning - First Values from Rule for Decreasing 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 10 and subtract 2 for each term

a 10, 12, 14, 16	b 7, 5, 3, 1
c 10, 20, 40, 80	d 10, 8, 6, 4
e 10, 12, 22, 34	f 8, 6, 4, 2

2

Choose the first values that this pattern rule would create

Start at 27 and subtract 5 for each term

a 27, 18, 9, 0, -9
b 27, 22, 17, 12, 7
c 27, 32, 59, 91, 150
d 29, 24, 19, 14, 9
e 31, 26, 21, 16, 11
f 27, 32, 37, 42, 47

3

Choose the first values that this pattern rule would create

Start at 11 and subtract 2 for each term

a 8, 6, 4, 2, 0
b 11, 13, 15, 17, 19
c 11, 22, 44, 88, 176
d 11, 5, -1, -7, -13
e 11, 9, 7, 5, 3
f 12, 10, 8, 6, 4

4

Choose the first values that this pattern rule would create

Start at 33 and subtract 6 for each term

a 35, 29, 23, 17, 11
b 33, 39, 45, 51, 57
c 33, 31, 29, 27, 25
d 33, 39, 72, 111, 183
e 33, 27, 21, 15, 9
f 33, 198, 1,188, 7,128, 42,875

5

Choose the first values that this pattern rule would create

Start at 18 and subtract 4 for each term

a 18, 15, 12, 9
b 22, 18, 14, 10
c 18, 72, 288, 1,152
d 18, 12, 6, 0
e 18, 14, 10, 6
f 18, 22, 26, 30

6

Choose the first values that this pattern rule would create

Start at 23 and subtract 5 for each term

a 23, 28, 33, 38
b 23, 28, 51, 79
c 23, 18, 13, 8
d 23, 21, 19, 17
e 26, 21, 16, 11
f 23, 115, 575, 2,875

7

Choose the first values that this pattern rule would create

Start at 18 and subtract 3 for each term

a 20, 17, 14, 11, 8
b 18, 17, 16, 15, 14
c 18, 54, 162, 486, 1,458
d 22, 19, 16, 13, 10
e 18, 15, 12, 9, 6
f 21, 18, 15, 12, 9