



Patterning - First Values from Rule for Geometric Pattern



1

Choose the first values that this pattern rule would create

Start at 3 and multiply by 4 for each term

A	-1, -4, -16, -64	B	3, 12, 48, 192
C	3, -1, -5, -9	D	3, 9, 27, 81
E	3, 7, 11, 15	F	5, 20, 80, 320

2

Choose the first values that this pattern rule would create

Start at 1 and multiply by 5 for each term

A	1, 8, 64, 512	B	1, -4, -9, -14
C	1, 5, 25, 125	D	4, 20, 100, 500
E	1, 6, 7, 13	F	1, 6, 11, 16

3

Choose the first values that this pattern rule would create

Start at 2 and multiply by 2 for each term

A	2, 0, 0, 0, 0, 0
B	2, 4, 8, 16, 32, 64
C	2, 10, 50, 250, 1,250,
D	2, 2, 2, 2, 2, 2
E	1, 2, 4, 8, 16, 32
F	2, 4, 6, 8, 10, 12

4

Choose the first values that this pattern rule would create

Start at 2 and multiply by 5 for each term

A	2, -3, -8, -13
B	-2, -10, -50, -250
C	2, 7, 9, 16
D	2, 10, 50, 250
E	1, 5, 25, 125
F	4, 20, 100, 500

5

Choose the first values that this pattern rule would create

Start at 1 and multiply by 2 for each term

A	1, 2, 4, 8, 16, 32
B	1, 5, 25, 125, 625, 3,125
C	1, 3, 5, 7, 9, 11
D	-2, -4, -8, -16, -32, -64
E	1, -1, -3, -5, -7, -9
F	1, 3, 4, 7, 11, 18

6

Choose the first values that this pattern rule would create

Start at 3 and multiply by 2 for each term

A	3, 9, 27, 81, 243, 729
B	3, 1, -1, -3, -5, -7
C	3, -3, 3, -3, 3, -3
D	2, 4, 8, 16, 32, 64
E	-1, -2, -4, -8, -16, -32
F	3, 6, 12, 24, 48, 96

7

Choose the first values that this pattern rule would create

Start at 1 and multiply by 3 for each term

A	1, -1, 1, -1, 1, -1
B	1, 7, 49, 343, 2,401,
C	1, 3, 9, 27, 81, 243
D	1, -2, -5, -8, -11, -14
E	1, 4, 7, 10, 13, 16
F	1, 0, 0, 0, 0, 0

8

Choose the first values that this pattern rule would create

Start at 3 and multiply by 5 for each term

A	3, 15, 75, 375	B	3, -2, -7, -12
C	6, 30, 150, 750	D	3, 24, 192, 1,536
E	3, 12, 48, 192	F	3, 8, 13, 18