Name:_____

Choose the first values that this pattern rule would create



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

Learn online: app.mobius.academy/math/units/patterns and sums intro/

1	

Start at 3 and multiply by 3 for

each term

- **a** -1, -3, -9, -27, -81, -243
- **b** 3, 6, 9, 12, 15, 18
- **c** 3, 0, -3, -6, -9, -12
- **d** 3, 9, 27, 81, 243, 729
- **e** 0, 0, 0, 0, 0, 0
- **f** 3, 6, 9, 15, 24, 39

Choose the first values that this pattern rule would create
a 2, 0, 0, 0, 0, 0
b 2, 4, 8, 16, 32, 64
c 2, 5, 7, 12, 19, 31
d 2, -1, -4, -7, -10, -13
e 2, 6, 18, 54, 162, 486
f 3, 9, 27, 81, 243, 729

3	Choose the first values that this pattern rule would create	
	a 4, 20, 100, 500	
Start at 2 and multiply by 5 for each term	b 2, 7, 9, 16	
	c 2, -3, -8, -13	
	d -2, -10, -50, -250	
	e 1, 5, 25, 125	
	f 2, 10, 50, 250	

4	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, 12, 48, 192
	c 3, 24, 192, d 3, -2, -7, -12
	e 6, 30, 150, 750 f 3, 8, 13, 18

5	Choose the first v pattern rule wo	
Start at 1 and multiply by 4 for each term	a 1, -3, -7, -11	b 1, 3, 9, 27
	c 1, 6, 36, 216	d 1, 4, 16, 64
	e 1, 0, 0, 0	f 1, 5, 6, 11

6	Choose the first v pattern rule w	
Start at 1 and multiply by 5 for each term	a 1, 6, 7, 13	b 1, 8, 64, 512
	c 1, 5, 25, 125	d 1, 6, 11, 16
	e 4, 20, 100, 500	f 1, -4, -9, -14

7		Choose the first values that this pattern rule would create	
Start at 1 and multiply by 3 for each term	a	1, 3, 9, 27, 81, 243	
	b	1, -1, 1, -1, 1, -1	
	C	1, -2, -5, -8, -11, -14	
	d	1, 7, 49, 343, 2,401,	
	е	1, 0, 0, 0, 0, 0	
	f	1, 4, 7, 10, 13, 16	