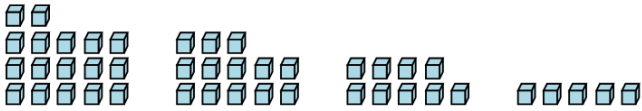




Generate a pattern from a rule

1

17, 13, 9, 5

**A**

Start at 17 and subtract 4 for each term

B

Start with 3×3 . The next term is 4×4 , and so on.

2

6, 8, 6, 8

A

Find that 6, 8 repeats and repeat those numbers

B

Start with 1 and 2. Add the prior two terms for each subsequent term

3

3, 12, 48, 192

A

Start at 3 and multiply by 4 for each term

B

Start at 3 and multiply by 0 for each term

C

Start at 3 and multiply by 1 for each term

D

Start at 3 and multiply by 8 for each term

E

Start with 3 and 7. Add the prior two terms for each subsequent term

F

Start at 7 and multiply by 4 for each term

4

Start at 1 and multiply by 5 for each term

A

1, 4, 16, 64

B

1, 5, 25, 125

C

1, 3, 9, 27

D

4, 20, 100, 500

E

1, 8, 64, 512

F

1, 6, 7, 13

5

Find that 5, 4 repeats and repeat those numbers

A

5, 4, 5, 4

B

1, 1, 1

6

Start at 1 and multiply by 3 for each term

A

1, 3, 9, 27, 81, 243

B

1, 0, 0, 0, 0, 0

C

1, 4, 7, 10, 13, 16

D

1, 7, 49, 343, 2,401, 16,807

E

1, 4, 5, 9, 14, 23

F

3, 9, 27, 81, 243, 729

7

Start at 2 and add 2 for each term

A

2, 4, 6, 8

B

9, 16, 25

8

Start at 3 and multiply by 5 for each term

A

3, -2, -7, -12

B

3, 24, 192, 1,536

C

3, 15, 75, 375

D

3, 8, 11, 19

E

6, 30, 150, 750

F

-1, -5, -25, -125



Generate a pattern from a rule

9

Find that 4, 9 repeats and repeat those numbers

A 1, 2, 3, 5, 8, 13

B 4, 9, 4, 9

10

Start at 2 and multiply by 4 for each term

A 2, 6, 8, 14

B 2, 12, 72, 432

C 0, 0, 0, 0

D 2, 8, 32, 128

E 4, 16, 64, 256

F 2, -2, -6, -10

11

Start at 2 and add 6 for each term

A 2, 8, 14, 20

B 1, 1, 1

12

Start at 3 and multiply by 2 for each term

A 3, 1, -1, -3, -5, -7

B 3, -3, 3, -3, 3, -3

C 3, 9, 27, 81, 243, 729

D 1, 2, 4, 8, 16, 32

E 3, 6, 12, 24, 48, 96

F -1, -2, -4, -8, -16, -32