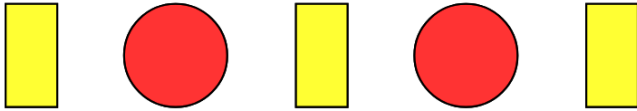




Generate a pattern from a rule

1

Choose the rule that describes this pattern



A

yellow rectangle, green triangle, blue square, then repeat

B

yellow rectangle, red circle, then repeat

2

Choose the rule that describes this pattern



A

red circle, green triangle, then repeat

B

red circle, red circle, yellow rectangle, then repeat

3

Choose the rule that describes this pattern



A

candy, cake, donut, then repeat

B

candy, cake, krueller, donut, then repeat

4

Start at 1 and multiply by 4 for each term

A

1, -3, -7, -11

B

1, 5, 6, 11

C

1, 5, 9, 13

D

1, 4, 16, 64

E

1, 2, 4, 8

F

-1, -4, -16, -64

5

Start at 2 and add 2 for each term

A

2, 4, 6, 8

B

9, 16, 25

7

Start at 3 and add 4 for each term

A

3, 6, 9, 12

B

3, 9, 15, 21

C

3, 7, 11, 15

D

3, 12, 48, 192

E

3, -1, -5, -9

F

3, 7, 10, 17

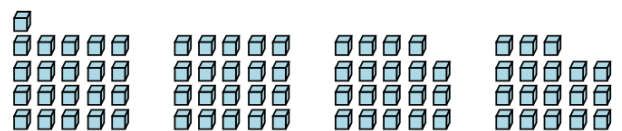
6

Find that 7, 4 repeats and repeat those numbers

A



B





Generate a pattern from a rule

8

Start at 3 and multiply by 2 for each term

A 1, 2, 4, 8, 16, 32

B 3, 1, -1, -3, -5, -7

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

D 3, 6, 12, 24, 48, 96

E 3, -3, 3, -3, 3, -3

F 3, 9, 27, 81, 243, 729

9

Find that 1, 2 repeats and repeat those numbers

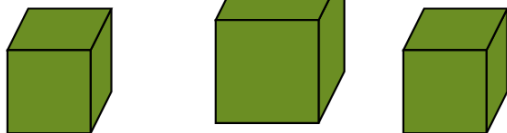
A 1, 2, 1, 2

B 2, 3, 4, 5

10

Find that 1, 9 repeats and repeat those numbers

A



B

**11**

Start at 3 and add 3 for each term

A 3, 6, 9, 12

B 3, 6, 9, 15

C 3, 9, 27, 81

D 3, 0, -3, -6

E 3, 7, 11, 15

F 3, 3, 3, 3

12

Start at 3 and multiply by 3 for each term

A 3, 12, 48, 192, 768, 3,072

B 3, 9, 27, 81, 243, 729

C -1, -3, -9, -27, -81, -243

D 2, 6, 18, 54, 162, 486

E 5, 15, 45, 135, 405, 1,215

F 0, 0, 0, 0, 0, 0