

Generate a pattern from a rule

1

Choose the rule that describes this pattern



A

red circle, green triangle, then repeat

B

red circle, red circle, yellow rectangle, then repeat

2

Choose the rule that describes this pattern



A

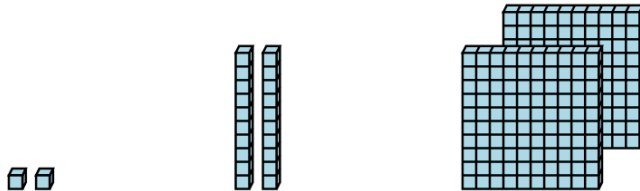
dog, lizard, fish, then repeat

B

parrot, dog, fish, lizard, then repeat

3

2 20 200



A Find that 2, 5 repeats and repeat those numbers

B Start at 2 and multiply by 10 for each term

4

Repeating

A Start at 1 and add 3 for each term

B Find that 8, 7 repeats and repeat those numbers

5

Find that 3, 8 repeats and repeat those numbers

A Repeating

B Quadratic

6

Start at 2 and multiply by 10 for each term

A



B

**7**

Start at 25 and subtract 6 for each term

A 4, 9, 16

B 25, 19, 13, 7

8What are the first 3 terms, starting with $p = 1$ in this number sequence

$$p + 4$$

A 9, 12, 15

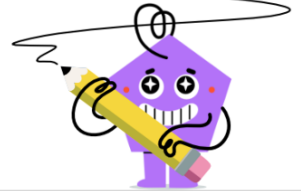
B 5, 6, 7

C 8, 11, 14

D 7, 11, 15

E 8, 12, 16

F 6, 9, 12



Generate a pattern from a rule

9

Start at 3 and add 5 for each term

A 3, 8, 13, 18

B 1, 2, 4

10What are the first 3 terms, starting with $r = 1$ in this number sequence

$$r + 3$$

A 4, 5, 6

B 6, 8, 10

C 4, 6, 8

D 5, 8, 11

E -2, -1, 0

F 7, 9, 11

11

Find that 7, 4 repeats and repeat those numbers

A 7, 4, 7, 4

B 23, 21, 19

12What are the first 3 terms, starting with $z = 1$ in this number sequence

$$z + 8$$

A 14, 19, 24

B 15, 20, 25

C 13, 21, 29

D 9, 10, 11

E -7, -6, -5

F 12, 17, 22