



Generate a pattern from a rule

1

Choose the rule that describes this pattern



A

fish, dog, then repeat

B

lizard, cat, lizard,
then repeat**2**

Choose the rule that describes this pattern



A

orange, orange, cherry,
lemon, then repeat

B

cherry, orange, lemon,
then repeat**3**

Find that 8, 5 repeats and repeat those numbers

A Repeating

B Increasing (Arithmetic)

4

Decreasing (Arithmetic)

A Find that 5, 9 repeats and
repeat those numbersB Start at 18 and subtract 4
for each term**5**

Find that 1, 6 repeats and repeat those numbers

A 3, 6, 9, 12

B 1, 6, 1, 6

6What are the first 3 terms, starting with $b = 1$ in this number sequence

$$b + 5$$

A 14, 23, 32

B 15, 23, 31

C 14, 22, 30

D 6, 7, 8

E -4, -3, -2

F 13, 18, 23

7

Find that 7, 4 repeats and repeat those numbers

A 7, 4, 7, 4

B 23, 21, 19

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

$$d + 4$$

A 25, 26, 27

B 5, 6, 7

C 9, 14, 19

D 10, 14, 18

E 12, 18, 24

F 9, 15, 21



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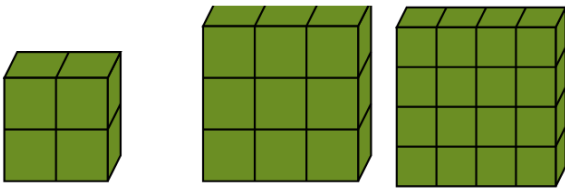
9

Start at 14 and subtract 3 for each term

A



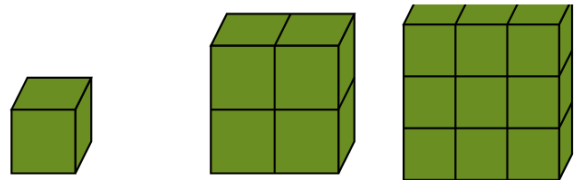
B



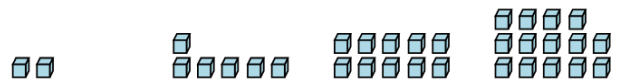
10

Start at 2 and add 4 for each term

A



B



11

Find that 4, 9 repeats and repeat those numbers

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

B 4, 9, 4, 9

12

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

$$y - 3$$

A 5, 8, 11

B 4, 6, 8

C -2, -1, 0

D 4, 5, 6

E 7, 8, 9

F 6, 9, 12