



## Describe a pattern rule

1

Start at 2 and add 6 for each term

A Quadratic

B Increasing (Arithmetic)

2

Start at 23 and subtract 5 for each term

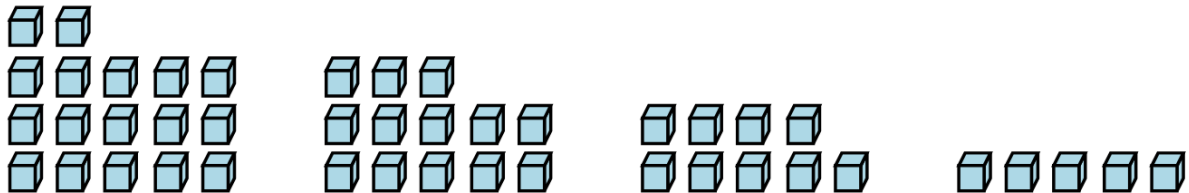
A 1, 2, 3, 5, 8, 13

B 23, 18, 13, 8

3

Start at 17 and subtract 4 for each term

A



B



4

2, 5, 8, 11



A

2, 5, 8, 11

B

9, 16, 25

5

Find the item that would be next in this growing pattern



A



B





## Describe a pattern rule

**6**

Find the item that would complete this growing pattern in the missing space



A



B

**7**

Start at 2 and multiply by 4 for each term

A

2, 8, 32, 128

B

2, 12, 72, 432

C

2, 6, 8, 14

D

4, 16, 64, 256

E

2, -2, -6, -10

F

0, 0, 0, 0

**8**

Fibonacci

A Start with  $3 \times 3$ . The next term is  $4 \times 4$ , and so on.

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

**9**

3, 15, 75, 375

A Start with 3 and 8. Add the prior two terms for each subsequent term

B Start at 3 and multiply by 8 for each term

C Start at 3 and multiply by 9 for each term

D Start at 3 and multiply by 5 for each term

E Start at 3 and multiply by 7 for each term

F Start at 3 and multiply by 2 for each term

**10**

9, 7, 5, 3

A Start with  $3 \times 3$ . The next term is  $4 \times 4$ , and so on.

B Start at 9 and subtract 2 for each term

**11**

Choose the rule that describes this pattern



A

sandwich, fries, sandwich, then repeat

B

fish, fish, fish, chicken, then repeat

**12**

2, 8, 14, 20, 26

A Start with 2 and 8. Add the prior two terms for each subsequent term

B Start at 0 and add 6 for each term

C Start at 2 and add 6 for each term

D Start at -1 and add 6 for each term

E Start at 2 and add 3 for each term

F Start at 2 and subtract 6 for each term

**13**

Choose the rule that describes this pattern



A

car, car, train, bike, then repeat

B

plane, ship, bike, then repeat