

Recognize patterns and generalize

1

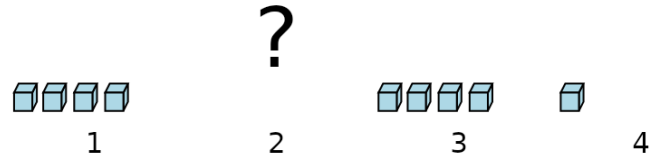
3, 9, 3, ?



A	B
9	3

2

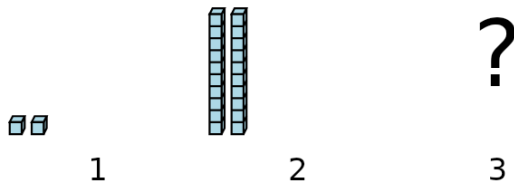
4, ?, 4, 1



A	B
4	1

3

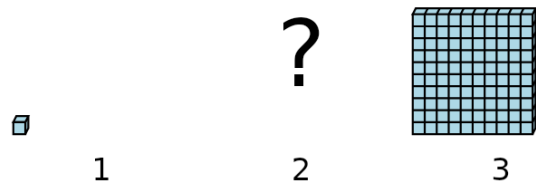
2 20 ?



A 20	B 20,000	C 200,000
D 200	E 2,000	F 2

4

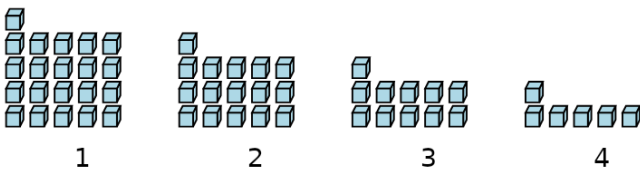
1 ? 100



A 1,000	B 1	C 100
D 10,000	E 10	F 0

5

21, 16, 11, 6



A	B
21, 16, 11, 6	4, 9, 16

6

13, 10, 7, 4



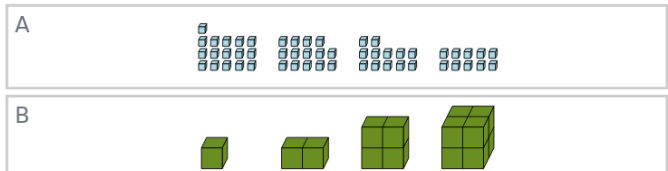
7

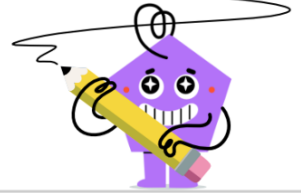
3, ?, 11, 15

A	B	C
11	2	9
D	E	F
8	7	5

8

Start at 1 and multiply by 2 for each term





Recognize patterns and generalize

9

Decreasing (Arithmetic)

A Start at 13 and subtract 3 for each term

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

10

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 2 for each term

D Start at 3 and multiply by 5 for each term

E Start at 3 and multiply by 9 for each term

F Start at 3 and multiply by 7 for each term

11

1, 6, 11, 16, 21

A Start at 1 and add 8 for each term

B Start at 1 and add 5 for each term

C Start at -1 and add 5 for each term

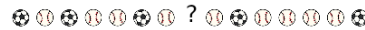
D Start at 1 and subtract 5 for each term

E Start at -3 and add 5 for each term

F Start with 1 and 6. Add the prior two terms for each subsequent term

12

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



A



B

**13**

Find the item that would be next in this growing pattern



A



B

**14**

2, 8, 14, ?



1



2



3

?

4

A 20

B 26

C 8

D 28

E 6

F 2

15

21, 18, 15, __, __, __

A 13, 9, 5

B 12, 9, 6

C 12, 10, 8

D 12, 8, 4

E 11, 8, 5

F 13, 11, 9

16

60, 90, __, __, __, 210, 240

A 120, 150, 180

B 130, 160, 190

C 120, 160, 200

D 130, 170, 210

E 130, 150, 170

F 120, 140, 160