

Recognize arithmetic sequences

1

2, 4, 6, 8



1



2



3



4

A

2, 4, 6, 8

B

4, 9, 16

2

8, 12, 16, __, __, __

A

20, 24, 28

B

20, 23, 26

C

21, 24, 27

D

19, 23, 27

E

21, 26, 31

F

20, 25, 30

3

13, 10, 7, ?



1



2



3

?

4

A

12

B

0

C

5

D

8

E

4

F

9

4

2, ?, 6, 8



1

?

2



3



4

A

4

B

2

C

12

D

7

E

1

F

13

5

17, 13, 9, ?

A

9

B

5

C

2

D

3

E

0

F

7

6

Start at 2 and add 6 for each term

A

-2, 4, 10, 16, 22

B

3, 9, 15, 21, 27

C

2, 12, 72, 432, 2,592

D

1, 7, 13, 19, 25

E

2, 10, 18, 26, 34

F

2, 8, 14, 20, 26

7What are the first 3 terms, starting with $m = 1$ in this number sequence

$$m + 2$$

A

3, 4, 5

B

6, 8, 10

C

5, 7, 9

D

5, 6, 7

E

3, 5, 7

F

4, 6, 8

8Choose the first values that this equation would create starting with $n=1$

$$a_n = 3 + 2(n - 1)$$

A

3, 5, 8, 13, 21

B

3, 6, 12, 24, 48

C

4, 6, 8, 10, 12

D

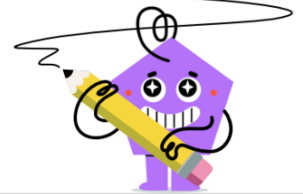
3, 5, 7, 9, 11

E

0, 2, 4, 6, 8

F

3, 1, -1, -3, -5



Recognize arithmetic sequences

9

Place Value

A

2
20
200

B

4
8
4
8
4
8

10

1, 3, 5, 7

A Start at 1 and add 2 for each term

B Start at 4 and add 2 for each term

C Start at 2 and add 2 for each term

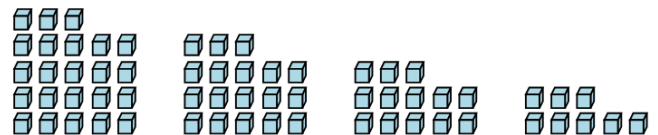
D Start at 1 and add 6 for each term

E Start at 1 and subtract 2 for each term

F Start at -3 and add 2 for each term

11

23, 18, 13, 8



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

B Start at 23 and subtract 5 for each term

12

4, 6, 8

A $2 + 1m$

B $2 + 2m$

C $2 + 3m$

D $-1 + 2m$

E $0 + 2m$

F $1 + 2m$

13

3, 9, 15, 21

A Increasing (Arithmetic)

B Repeating