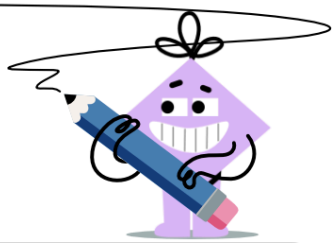
Name



Patterning - Equation for Increasing Arithmetic Pattern

1 Find the correct equation to describe this increasing pattern where n=1 is the first term

1, 4, 7, 10

A $a_n = 1 + 7(n-1)$

B $a_n = 1 + 3(n)$

C $a_n = 1 \times 3^{n-1}$

D $a_n = a_{n-2} + a_{n-1}$

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

F $a_n = 1 - 3(n-1)$

2 Find the correct equation to describe this increasing pattern where n=1 is the first term

3, 8, 13, 18

A $a_n = 3 \times 5^{n-1}$

B $a_n = 3 + 5(n-1)$

C $a_n = 3 - 5(n-1)$

D $a_n = 3 + 5(n)$

E $a_n = 1 + 5(n-1)$

F $a_n = 4 + 5(n-1)$

3 Find the correct equation to describe this increasing pattern where n=1 is the first term

2, 6, 10, 14, 18

A $a_n = 2 + 4(n-1)$

B $a_n = a_{n-2} + a_{n-1}$

C $a_n = 2 + 4(n)$

D $a_n = 2 \times 4^{n-1}$

E $a_n = 5 + 4(n-1)$

F $a_n = 2 + 0(n-1)$

4 Find the correct equation to describe this increasing pattern where n=1 is the first term

2, 4, 6, 8

A $a_n = 2 + 2(n)$

B $a_n = 2 - 2(n-1)$

C $a_n = 2 \times 2^{n-1}$

D $a_n = 6 + 2(n-1)$

E $a_n = 4 + 2(n-1)$

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

5 Find the correct equation to describe this increasing pattern where n=1 is the first term

3, 5, 7, 9, 11

A $a_n = 3 + 2(n)$

B $a_n = a_{n-2} + a_{n-1}$

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

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

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

F $a_n = 3 + 0(n-1)$

6 Find the correct equation to describe this increasing pattern where n=1 is the first term

3, 5, 7, 9

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

B $a_n = 3 \times 2^{n-1}$

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

D $a_n = 3 + 6(n-1)$

E $a_n = 3 + 2(n)$

F $a_n = 3 + 4(n-1)$

7 Find the correct equation to describe this increasing pattern where n=1 is the first term

1, 6, 11, 16

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

B $a_n = 1 \times 5^{n-1}$

C $a_n = 1 + 8(n-1)$

D $a_n = 1 - 5(n-1)$

E $a_n = 1 + 5(n)$

F $a_n = 1 + 5(n-1)$

8 Find the correct equation to describe this increasing pattern where n=1 is the first term

3, 7, 11, 15

A $a_n = 3 + 4(n)$

B $a_n = 3 + 0(n-1)$

C $a_n = 3 + 4(n-1)$

D $a_n = 6 + 4(n-1)$

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

F $a_n = 3 \times 4^{n-1}$