Name

Patterning - Equation from Rule for Decreasing Arithmetic Pattern

1

Start at 27 and subtract 6 for each term

Find the correct equation that this pattern rule describes

A $a_n = 23 - 6(n-1)$	B $a_n = 27 - 6(n)$
C $a_n = 31 - 6(n-1)$	D $a_n = 27 + 6(n-1)$
E $a_n = 27 - 6(n-1)$	F $a_n = 27 \times 6^{n-1}$

2

Start at 28 and subtract 5 for each term

Find the correct equation that this pattern rule describes

A $a_n = 28 - 6(n-1)$	B $a_n = 28 - 8(n-1)$
C $a_n = 28 + 5(n-1)$	D $a_n = 28 - 5(n-1)$
E $a_n = 28 - 5(n)$	F $a_n = 28 \times 5^{n-1}$

3

Start at 12 and subtract 2 for each term

Find the correct equation that this pattern rule describes

A $a_n = 12 - 0(n-1)$	B $a_n = 12 \times 2^{n-1}$
C $a_n = 8 - 2(n-1)$	D $a_n = 12 + 2(n-1)$
E $a_n = 15 - 2(n-1)$	F $a_n = 12 - 2(n-1)$

4

Start at 18 and subtract 4 for each term

Find the correct equation that this pattern rule describes

A $a_n = a_{n-2} + a_{n-1}$	B $a_n = 18 + 4(n-1)$
C $a_n = 18 - 3(n-1)$	D $a_n = 18 - 4(n)$
E $a_n = 18 - 4(n-1)$	F $a_n = 18 - 5(n-1)$

5

Start at 14 and subtract 3 for each term

Find the correct equation that this pattern rule describes

A $a_n = 14 - 2(n-1)$	B $a_n = 14 + 3(n-1)$
C $a_n = 15 - 3(n-1)$	D $a_n = 14 - 3(n-1)$
E $a_n = a_{n-2} + a_{n-1}$	F $a_n = 14 \times 3^{n-1}$

6

Start at 31 and subtract 6 for each term

Find the correct equation that this pattern rule describes

A $a_n = 31 - 2(n-1)$	B $a_n = 31 + 6(n-1)$
C $a_n = 31 - 7(n-1)$	D $a_n = 31 - 6(n-1)$
E $a_n = 31 - 3(n-1)$	F $a_n = 31 - 6(n)$

7

Start at 13 and subtract 3 for each term

Find the correct equation that this pattern rule describes

A $a_n = 13 - 3(n)$	B $a_n = 11 - 3(n-1)$
C $a_n = 13 - 3(n-1)$	D $a_n = 13 - 0(n-1)$
E $a_n = 13 \times 3^{n-1}$	F $a_n = 13 - 5(n-1)$

8

Start at 25 and subtract 6 for each term

Find the correct equation that this pattern rule describes

A $a_n = a_{n-2} + a_{n-1}$	B $a_n = 29 - 6(n-1)$
C $a_n = 25 + 6(n-1)$	D $a_n = 25 - 6(n-1)$
E $a_n = 27 - 6(n-1)$	F $a_n = 25 - 6(n)$