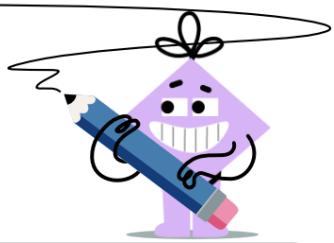
Name

Patterning - Rule from Equation for Decreasing Arithmetic Pattern



1 Find the rule that describes this pattern equation

$$a_n = 17 - 4(n-1)$$

A Start at 18 and subtract	B Start at 17 and add 4 for
C Start at 16 and subtract	D Start at 17 and subtract
E Start at 17 and subtract 4	F Start with 17 and 21. Add the prior two terms for each

2 Find the rule that describes this pattern equation

$$a_n = 26 - 6(n-1)$$

A Start at 29 and subtract	B Start at 26 and add 6 for
C Start at 26 and multiply by 6 for each term	D Start at 26 and subtract
E Start at 26 and subtract 7	F Start at 26 and subtract

3 Find the rule that describes this pattern equation

$$a_n = 17 - 3(n-1)$$

A Start at 17 and subtract	B Start at 17 and subtract
C Start at 15 and subtract	D Start at 17 and add 3 for
E Start with 17 and 20. Add the prior two terms for each	F Start at 19 and subtract

4 Find the rule that describes this pattern equation

$$a_n = 13 - 3(n-1)$$

A Start at 13 and subtract	B Start at 13 and subtract
C Start at 16 and subtract	D Start at 13 and subtract
E Start at 13 and add 3 for	F Start at 13 and subtract

5 Find the rule that describes this pattern equation

$$a_n = 23 - 4(n-1)$$

A Start at 23 and subtract	B Start at 19 and subtract
C Start at 23 and subtract	D Start at 23 and add 4 for
E Start at 23 and subtract 1	F Start at 26 and subtract

6 Find the rule that describes this pattern equation

$$a_n = 28 - 5(n-1)$$

A Start at 24 and subtract	B Start at 28 and subtract
C Start at 28 and add 5 for	D Start with 28 and 33. Add the prior two terms for each
E Start at 28 and subtract 6	F Start at 28 and subtract

7 Find the rule that describes this pattern equation

$$a_n = 23 - 5(n-1)$$

A Start with 23 and 28. Add the prior two terms for each	B Start at 23 and subtract
C Start at 23 and subtract	D Start at 23 and multiply by 5 for each term
E Start at 20 and subtract 5	F Start at 23 and add 5 for

8 Find the rule that describes this pattern equation

$$a_n = 11 - 2(n-1)$$

A Start at 11 and add 2 for	B Start at 11 and subtract 5
C Start at 7 and subtract 2	D Start with 11 and 13. Add the prior two terms for each
E Start at 11 and subtract 2	F Start at 11 and subtract 0