Math worksheet on *'Patterning - Rule from Equation for Decreasing Arithmetic Pattern (Level 1)'*. Part of a broader unit on *'Patterns and Sums - Practice'*

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1 Find the rule that describes this pattern equation

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

a Start with 28 and 33. Add the prior two terms for each	**b** Start at 28 and add 5 for each term
c Start at 28 and subtract 4 for each term	**d** Start at 28 and subtract 6 for each term
e Start at 28 and subtract 5 for each term	**f** Start at 24 and subtract 5 for each term

2 Find the rule that describes this pattern equation

$$a_n = 26 - 5(n-1)$$

a Start at 23 and subtract 5 for each term	**b** Start at 26 and subtract 5 for each term
c Start at 26 and multiply by 5 for each term	**d** Start with 26 and 31. Add the prior two terms for each
e Start at 26 and subtract 3 for each term	**f** Start at 24 and subtract 5 for each term

3 Find the rule that describes this pattern equation

$$a_n = 27 - 6(n-1)$$

a Start with 27 and 33. Add the prior two terms for each	**b** Start at 27 and add 6 for each term
c Start at 27 and subtract 10 for each term	**d** Start at 25 and subtract 6 for each term
e Start at 28 and subtract 6 for each term	**f** Start at 27 and subtract 6 for each term

4 Find the rule that describes this pattern equation

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

a Start at 26 and add 6 for each term	**b** Start at 26 and subtract 6 for each term
c Start at 26 and subtract 3 for each term	**d** Start at 29 and subtract 6 for each term
e Start at 26 and multiply by 6 for each term	**f** Start at 26 and subtract 7 for each term

5 Find the rule that describes this pattern equation

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

a Start at 18 and subtract 4 for each term	**b** Start at 17 and subtract 4 for each term
c Start with 17 and 21. Add the prior two terms for each	**d** Start at 16 and subtract 4 for each term
e Start at 17 and subtract 0 for each term	**f** Start at 17 and add 4 for each term

6 Find the rule that describes this pattern equation

$$a_n = 31 - 6(n-1)$$

a Start at 31 and subtract 10 for each term	**b** Start at 30 and subtract 6 for each term
c Start at 27 and subtract 6 for each term	**d** Start at 31 and subtract 6 for each term
e Start at 31 and multiply by 6 for each term	**f** Start at 34 and subtract 6 for each term

7 Find the rule that describes this pattern equation

$$a_n = 21 - 4(n-1)$$

a Start at 21 and subtract 4 for each term	**b** Start at 21 and subtract 6 for each term
c Start at 22 and subtract 4 for each term	**d** Start at 21 and multiply by 4 for each term
e Start at 21 and add 4 for each term	**f** Start at 25 and subtract 4 for each term

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