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Math worksheet on *'Patterning - Rule from Equation for Increasing 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

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

a	Start at 1 and add 6 for each term	**b**	Start at 1 and subtract 5 for each term
c	Start at 1 and add 5 for each term	**d**	Start with 1 and 6. Add the prior two terms for each
e	Start at 5 and add 5 for each term	**f**	Start at 1 and multiply by 5 for each term

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2 Find the rule that describes this pattern equation

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

a	Start at 5 and add 6 for each term	**b**	Start at 2 and add 6 for each term
c	Start at 2 and multiply by 6 for each term	**d**	Start at 2 and add 5 for each term
e	Start at 2 and add 2 for each term	**f**	Start at 3 and add 6 for each term

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3 Find the rule that describes this pattern equation

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

a	Start at 1 and add 5 for each term	**b**	Start at 1 and add 4 for each term
c	Start at 1 and add 0 for each term	**d**	Start at 1 and add 2 for each term
e	Start at 1 and multiply by 2 for each term	**f**	Start at 1 and subtract 2 for each term

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4 Find the rule that describes this pattern equation

$$a_n = 2 + 5(n - 1)$$

a	Start at 6 and add 5 for each term	**b**	Start at 2 and add 5 for each term
c	Start at 2 and add 4 for each term	**d**	Start at 2 and subtract 5 for each term
e	Start at 2 and multiply by 5 for each term	**f**	Start at 2 and add 7 for each term

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5 Find the rule that describes this pattern equation

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

a	Start at 2 and add 2 for each term	**b**	Start at 2 and add 6 for each term
c	Start at 2 and add 1 for each term	**d**	Start at 2 and multiply by 4 for each term
e	Start at 2 and subtract 4 for each term	**f**	Start at 2 and add 4 for each term

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6 Find the rule that describes this pattern equation

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

a	Start at -1 and add 6 for each term	**b**	Start at 1 and add 10 for each term
c	Start at 1 and add 4 for each term	**d**	Start at 1 and add 2 for each term
e	Start at 1 and multiply by 6 for each term	**f**	Start at 1 and add 6 for each term

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7 Find the rule that describes this pattern equation

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

a	Start at 1 and add 3 for each term	**b**	Start at 1 and multiply by 3 for each term
c	Start at 1 and add 2 for each term	**d**	Start at 1 and add 4 for each term
e	Start with 1 and 4. Add the prior two terms for each	**f**	Start at 1 and subtract 3 for each term

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