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

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1

Choose the rule that describes this geometric pattern

1, 5, 25, 125

a	Start at 2 and multiply by 5 for each term	**b**	Start at 1 and multiply by 1 for each term
c	Start at -2 and multiply by 5 for each term	**d**	Start at 1 and multiply by 8 for each term
e	Start at 1 and multiply by 4 for each term	**f**	Start at 1 and multiply by 5 for each term

2

Choose the rule that describes this geometric pattern

3, 6, 12, 24, 48, 96

a	Start at 3 and multiply by 6 for each term
b	Start at 4 and multiply by 2 for each term
c	Start at 3 and multiply by 4 for each term
d	Start at 3 and multiply by 2 for each term
e	Start at 5 and multiply by 2 for each term
f	Start at 3 and add 2 for each term

3

Choose the rule that describes this geometric pattern

3, 9, 27, 81, 243, 729

a	Start at 3 and multiply by 3 for each term
b	Start at 2 and multiply by 3 for each term
c	Start at 3 and subtract 3 for each term
d	Start at 5 and multiply by 3 for each term
e	Start at 4 and multiply by 3 for each term
f	Start with 3 and 6. Add the prior two terms for each

4

Choose the rule that describes this geometric pattern

1, 4, 16, 64

a	Start at 1 and multiply by 0 for each term	**b**	Start at 1 and subtract 4 for each term
c	Start at 1 and add 4 for each term	**d**	Start at 1 and multiply by 4 for each term
e	Start at 1 and multiply by 3 for each term	**f**	Start with 1 and 5. Add the prior two terms for each subsequent term

5

Choose the rule that describes this geometric pattern

2, 6, 18, 54, 162, 486

a	Start at 2 and add 3 for each term
b	Start at 2 and subtract 3 for each term
c	Start at 2 and multiply by 3 for each term
d	Start at 3 and multiply by 3 for each term
e	Start at 2 and multiply by -1 for each term
f	Start with 2 and 5. Add the prior two terms for each

6

Choose the rule that describes this geometric pattern

2, 4, 8, 16, 32, 64

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

7

Choose the rule that describes this geometric pattern

2, 10, 50, 250

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

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