



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

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2

Choose the rule that describes this geometric pattern

1, 4, 16, 64

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

1

Choose the rule that describes this geometric pattern

2, 6, 18, 54, 162, 486

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

3

Choose the rule that describes this geometric pattern

2, 8, 32, 128

a Start at 5 and multiply by 4 for each term	b Start at 2 and subtract 4 for each term
c Start at 0 and multiply by 4 for each term	d Start at -2 and multiply by 4 for each term
e Start at 2 and multiply by 4 for each term	f Start with 2 and 6. Add the prior two terms for each subsequent term

4

Choose the rule that describes this geometric pattern

1, 5, 25, 125

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

5

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

6

Choose the rule that describes this geometric pattern

1, 3, 9, 27, 81, 243

a Start at 1 and multiply by 0 for each term
b Start with 1 and 4. Add the prior two terms for each subsequent term
c Start at 1 and multiply by 3 for each term
d Start at 1 and subtract 3 for each term
e Start at 5 and multiply by 3 for each term
f Start at 2 and multiply by 3 for each term

7

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