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Number Sequences

Name: _____

Date: _____

For each sequence, find the next term. Write the rule you used.

1. **1, 4, 16, 64, 256, ____**

Rule: _____

2. **1, 3, 9, 27, 81, ____**

Rule: _____

3. **1, 4, 16, 64, 256, ____**

Rule: _____

4. **4, 12, 36, 108, 324, ____**

Rule: _____

5. **4, 8, 16, 32, 64, ____**

Rule: _____

6. **3, 6, 12, 24, 48, ____**

Rule: _____

7. **3, 6, 12, 24, 48, ____**

Rule: _____

8. **4, 8, 16, 32, 64, ____**

Rule: _____

9. **5, 15, 45, 135, 405, ____**

Rule: _____

10. **3, 12, 48, 192, 768, ____**

Rule: _____

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Number Sequences

1. next = 1024 (rule: multiply by 4)
2. next = 243 (rule: multiply by 3)
3. next = 1024 (rule: multiply by 4)
4. next = 972 (rule: multiply by 3)
5. next = 128 (rule: multiply by 2)
6. next = 96 (rule: multiply by 2)
7. next = 96 (rule: multiply by 2)
8. next = 128 (rule: multiply by 2)
9. next = 1215 (rule: multiply by 3)
10. next = 3072 (rule: multiply by 4)