

Three Patterns Table of Values

1. For each of the patterns, what is changing? (multiplier)

Pattern 1:

Pattern 2:

Pattern 3:

2. For each of the patterns, what is staying the same? (constant)

Pattern 1:

Pattern 2:

Pattern 3:

3. Use the following table of values to help determine a pattern rule.

Pattern #1	
Term number	Term value
1	5
2	7
3	9

Pattern 1 rule:

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4. Use the information in your table to help determine the 4th, 5th, and 10th terms of each pattern.

Pattern #1	
Term number	Term value
1	5
2	7
3	9
4	
5	
10	
0	

Pattern #2	
Term number	Term value
1	
2	
3	
4	
5	
10	
0	

Pattern #3	
Term number	Term value
1	
2	
3	
4	
5	
10	
0	

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5. What do you think term number 0 would be? Record term 0 for each pattern.

6. What does term 0 represent? Why is this value important to know?