

Name _____ Date _____ Hour _____ Score _____

Linear Equations from Tables and Patterns

Write the recursive and explicit formulas for each arithmetic sequence. Use your equation to complete the table.

1)

1	6
2	7
3	8
...	...
10	
100	
150	

2)

1	7
2	11
3	15
...	...
10	
100	
150	

3)

2	7
3	11
4	15
...	...
10	
100	
150	

4)

2	1
4	3
6	5
...	...
10	
100	
150	

5)

1	3
2	6
3	9
...	...
10	
100	
150	

6)

1	8
2	13
3	18
...	...
10	
100	
150	

7)

3	11
4	16
5	21
...	...
10	
100	
150	

8)

1	8
2	12
3	16
...	...
10	
100	
150	

9)

1	8
2	10
3	12
...	...
10	
100	
150	

10)

2	3
3	5
4	7
...	...
10	
100	
150	

11)

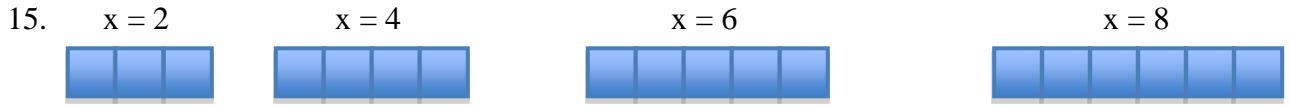
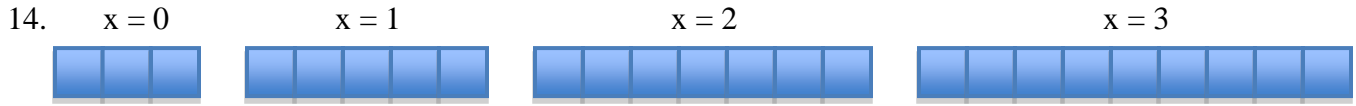
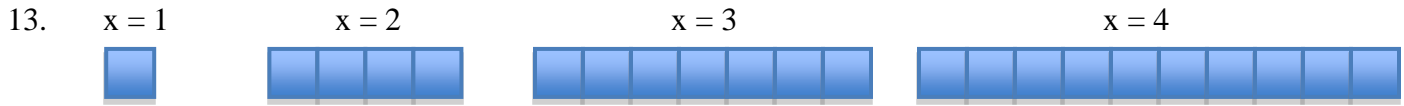
4	3
6	4
8	5
...	...
10	
100	
150	

12)

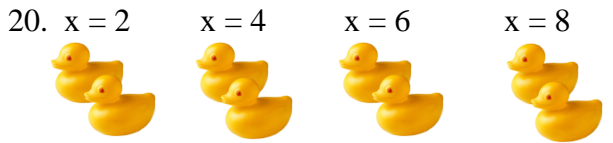
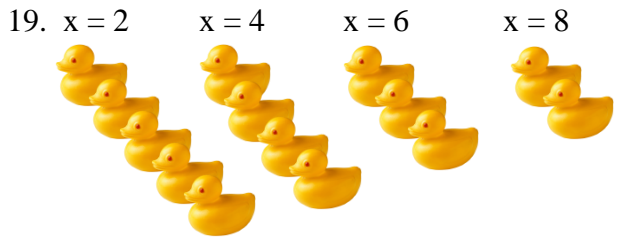
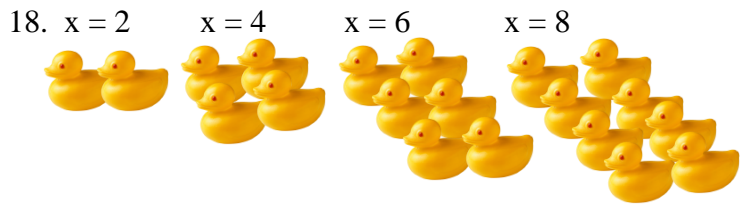
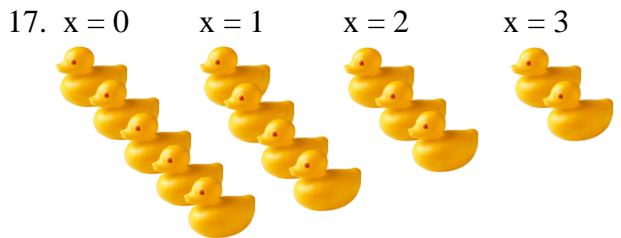
2	25
4	29
6	33
...	...
10	
100	
150	

Write the recursive and explicit formulas for each arithmetic sequence.

y represents the number of boxes at each step "x"



y represents the number of ducks in each row "x"



y represents the number of dots at each step "x"

