

**Day 21: Investigate Linear Pattern**

**#21**

Complete Pattern $a(x)$	Complete Table																				
<p> <math>a(1) =</math>     <math>a(2) =</math>     <math>a(3) =</math>     Draw <math>a(4) =</math> </p> <p>Sketch <math>a(20) =</math></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="padding: 5px;">Figure #</th> <th style="padding: 5px;">Output (Square Units)</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">0</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">1</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">2</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">3</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">4</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">5</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">20</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">21.5</td><td style="padding: 5px;"></td></tr> <tr><td style="padding: 5px;">x</td><td style="padding: 5px;"></td></tr> </tbody> </table>	Figure #	Output (Square Units)	0		1		2		3		4		5		20		21.5		x	
Figure #	Output (Square Units)																				
0																					
1																					
2																					
3																					
4																					
5																					
20																					
21.5																					
x																					

Write an Equation	Graph
<p>What does <math>x</math> &amp; <math>y</math> represent?</p> <p><math>x</math>:</p> <p><math>y</math>:</p> <p>Equation: _____</p>	

Pattern b(x)

Figure 1



Figure 2



Figure 3



Draw Figure 4

Complete the Table

x	y
0	
1	
2	
3	
4	
5	
20	
21.5	
x	

Write the equation for the pattern:

X represents:

Y represents:

Equation: \_\_\_\_\_

Pattern  $c(x)$

Figure 1



Figure 2



Figure 3



Draw Figure 4

Complete the Table

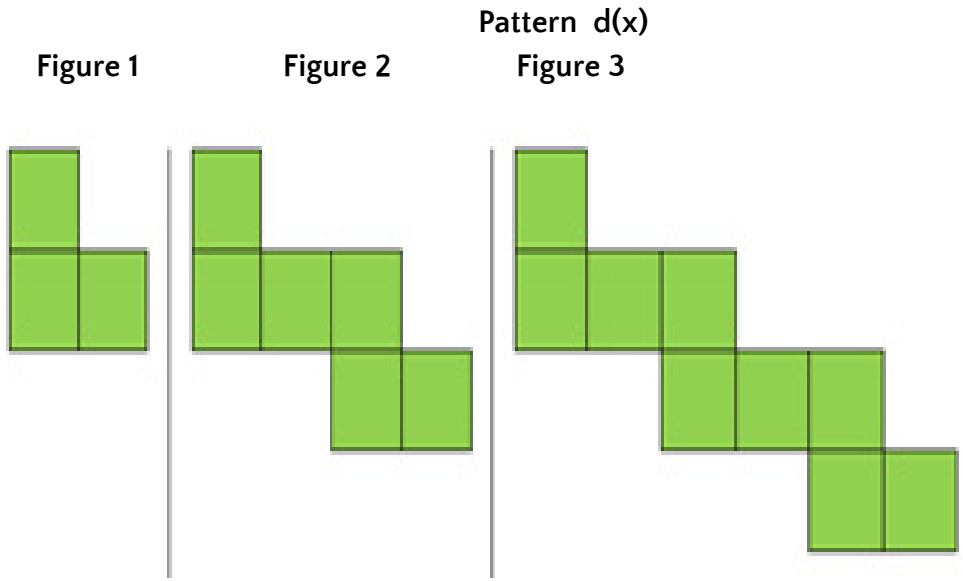
x	y
0	
1	
2	
3	
4	
5	
20	
21.5	
x	

Write the equation for the pattern:

X represents:

Y represents:

Equation: \_\_\_\_\_



Draw Figure 4

Complete the Table

x	y
0	
1	
2	
3	
4	
5	
20	
21.5	
x	

Write the equation for the pattern:

X represents:

Y represents:

Equation: \_\_\_\_\_