

# Practice Sheet

## Pattern Creation Part 1

By Sachin Arora



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1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
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1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
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1 1 1 1 1
2 2 2 2
3 3 3
4 4
5
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0 1 2 3 4 5
0 1 2 3 4
0 1 2 3
0 1 2
0 1
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1
3 3
5 5 5
7 7 7 7
9 9 9 9 9
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5 5 5 5 5
4 4 4 4
3 3 3
2 2
1
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2 1
3 2 1
4 3 2 1
5 4 3 2 1
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5 4 3 2 1
4 3 2 1
3 2 1
2 1
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1  
3 2  
6 5 4  
10 9 8 7

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    1
  1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

Pascal's triangle

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1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
```

Square pattern

1 2 3 4 5

2 2 3 4 5

3 3 3 4 5

4 4 4 4 5

5 5 5 5 5

```
1
2 4
3 6 9
4 8 12 16
5 10 15 20 25
6 12 18 24 30 36
7 14 21 28 35 42 49
8 16 24 32 40 48 56 64
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A
B C
D E F
G H I J
K L M N O
P Q R S T U
V W X Y Z [ \
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Py  
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Pyth  
Pytho  
Python

1								
2	1							
4	2	1						
8	4	2	1					
16	8	4	2	1				
32	16	8	4	2	1			
64	32	16	8	4	2	1		
128	64	32	16	8	4	2	1	

1															
1	2	1													
1	2	4	2	1											
1	2	4	8	4	2	1									
1	2	4	8	16	8	4	2	1							
1	2	4	8	16	32	16	8	4	2	1					
1	2	4	8	16	32	64	32	16	8	4	2	1			
1	2	4	8	16	32	64	128	64	32	16	8	4	2	1	

```
1
2 3 4
5 6 7 8 9
```

```
10
10 8
10 8 6
10 8 6 4
10 8 6 4 2
```

```
1
1 2 1
1 2 3 2 1
1 2 3 4 3 2 1
1 2 3 4 5 4 3 2 1
```



0						
0	1					
0	2	4				
0	3	6	9			
0	4	8	12	16		
0	5	10	15	20	25	
0	6	12	18	24	30	36

5 4 3 2 1 1 2 3 4 5

5 4 3 2        2 3 4 5

5 4 3            3 4 5

5 4                4 5

5                    5

1 \* 2 \* 3 \* 4

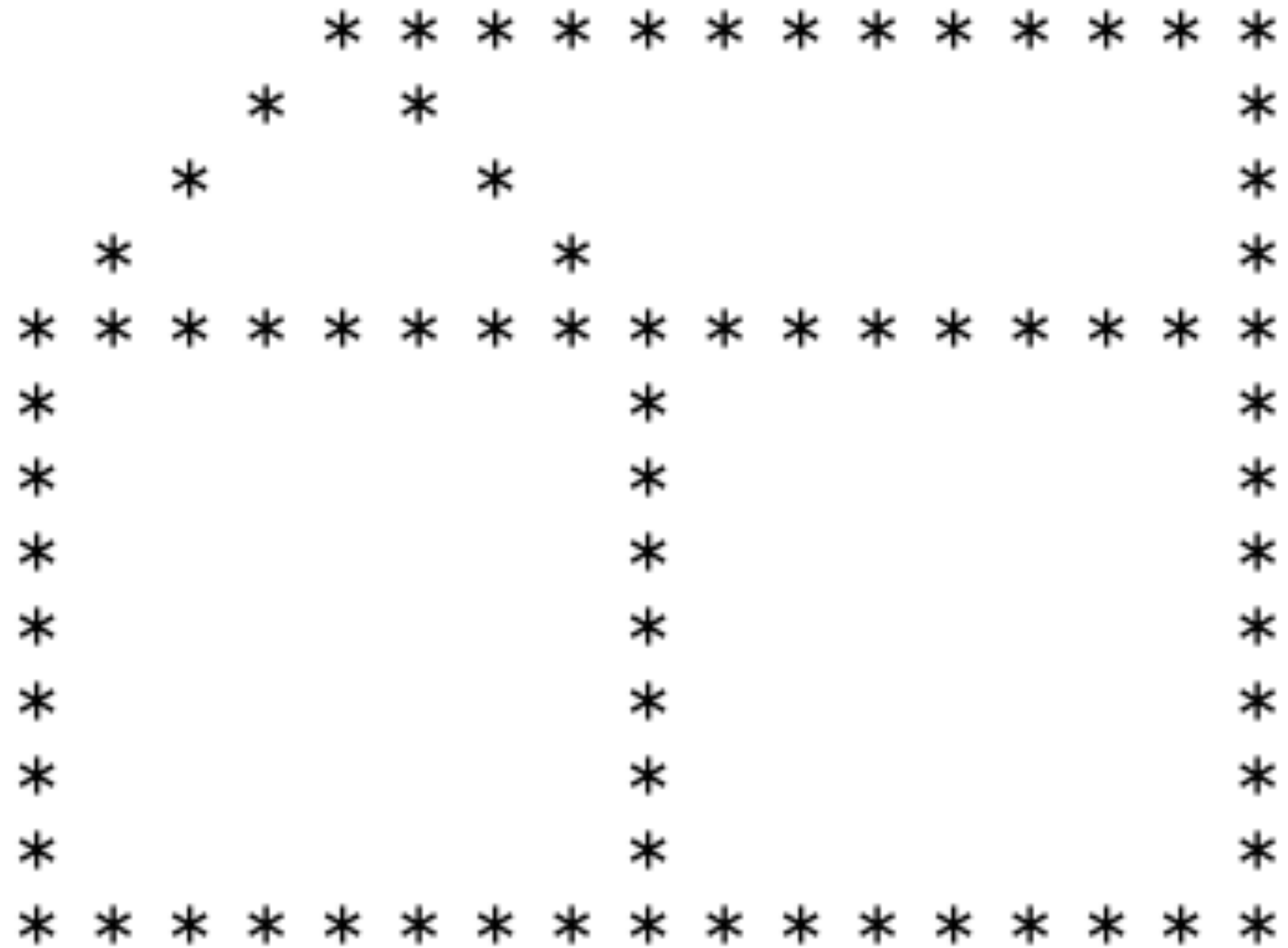
1 \* 2 \* 3

1 \* 2

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*           *      *
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