

Group #

Name: _____
 Date: _____ Period: _____

Part I: Exploration - Patterns in Two-Column Tables

1. First, use your pattern hunting skills to fill in the missing numbers for the tables below.

Table A

x	y
0	13
1	16
2	
	21
4	
5	27

Table B

x	y
0	0
1	16
2	32
3	
4	64
	80

Table C

x	y
-2	36
	28
0	20
1	
2	4
3	

2. Next, make a list of at least **3 patterns** that you see in **each** table. Be specific and show your patterns visually on the tables above (e.g. “the numbers in the third column are related to.... By”).

●	●	●
●	●	●
●	●	●

3. Discuss and share your patterns as a group, and together, decide on **ONE** key pattern for each table. Pick the pattern that you think is most important to describing how x and y are related. Be sure to justify your choice.

Our key pattern for Table A is _____
 _____ because _____

Our key pattern for Table B is _____
 _____ because _____

Our key pattern for Table C is _____
 _____ because _____

PART II: Show off your Pattern Hunting Skills

For each table below,

- ✓ **Complete any missing numbers** using your pattern hunting skills
- ✓ **Label as many patterns** as you can on the table
- ✓ **Describe the key pattern** that you and your team members see

1.

x	y
-2	14
	11
	8
1	5
2	
3	

Key Pattern:

2.

x	y
-3	
-2	-24
-1	
0	
1	12
2	24

Key Pattern:

3.

x	y
2	4
4	10
6	16
	22
10	
12	

Key Pattern:

4.

x	y
0	1
1	3
2	5
5	
10	
14	

Key Pattern: