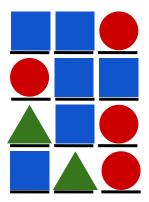
Number Systems				
Your Tasks (Mark these off as you go) ☐ Assign group roles				
☐ Brainstorm: How many ways can we re ☐ Investigate 3 place patterns	epresent 7			
☐ Organize your patterns in a predictable	e sequence			
☐ Explain your number system☐ Test your number system				
Receive credit for this lab guide				
☐ Assign group roles				
		laborate with your group and assign you person in your ow. Record the role of each group member below,		
Project manager (PM)	Leads the team discussion and keeps the team on task and on schedule. Make sure the final lab is submitted.			
Recorder (R)	Records answers for the team, or ensures that all members have correct answers.			
Communication Specialist (CS)	Presents answers (or questions) to the class, instructor, or other teams.			
Strategic Analyst (SA)	Considers how	v the team is working and ensures all voices are heard		
Name		Role		
□ Brainstorm: How many wa	vs can we	renresent 7		
•				
Think about the different ways you can rep	resent the nun	nber 7. Write your ideas below		

Name ______ Period _____

□ Investigate 3 place patterns

Given 3 places to work with, make as many *unique* patterns as you can using only circles, triangles and squares. Arrange your patterns in the table below by copying (ctrl-c) and pasting (ctrl-v) the images provided.

The diagram on the right shows a few examples of some 3-place patterns. *NOTE:* Order matters, so, for example: Circle-Triangle-Square is a different pattern than Square-Circle-Triangle, even though both have one of each shape.



H	low many 3 pla	ace patterns did you find?

□ Organize your patterns in a predictable sequence

Once you have found as many patterns as possible, figure out a way to order your patterns so that the sequence is predictable. In other words, how might you use circles, squares, and triangles to count.

Record the first 10 patterns of your sequence below by copying (ctrl-c) and pasting (ctrl-v) the shapes provided.

0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

□ Explain your number system

In the space below explain your number system and how you could use it to count. Your explanation should be
thorough and be written in a narrative format using complete sentences, correct spelling, and proper grammar.

□ Test your number system

Indicate how your number system could be used to represent the following quantities.

30	
41	
71	
100	
200	_
200	
1028	

□ Receive Credit for this lab guide

Submit this portion of the lab to Pluska to receive credit for the lab guide.