Write the name of each group mer	mber below			
Name				
Number Systems				
Your Tasks (Mark the Assign group roles	se off a	s you go)		
Brainstorm: How many ways can we represent 7Investigate 3 place patterns				
Organize your patterns in a predictable sequenceExplain your number system				
☐ Test your number system				
Receive credit for this lab	guide			
☐ Assign group roles				
Before you continue. record your group number, then collaborate with your group and assign you person in your group a role. Each role and a description is provided below. Record the role of each group member below,				
Project manager (PM)		eam discussion and keeps the team on task edule. Make sure the final lab is submitted.		
Recorder (R)		swers for the team, or ensures that all ave correct answers.		
Communication Specialist (CS)	Presents ar	nswers (or questions) to the class, instructor, ams.		
Strategic Analyst (SA)	Considers l	now the team is working and ensures all heard		
Group Number:				
Name		Role		

□ Brainstorm: How many ways can we represent 7				
Think about the different ways you can represent the number 7. Write your ideas below				
☐ Investigate 3 place	ce patterns			
Given 3 places to work with, make as many <i>unique</i> 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.				
How many 3 place 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.

30	
41	
100	
200	
1028	

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

□ Receive Credit for this lab guide

☐ Test your number system

Make sure indicate the names of all group members on this lab, the Project Manager is charge of submitting this lab