Name_____

Eye Spy a Pattern

Pattern					Solution
	0	Т	Т		What letter belongs in the box with the question mark?
	F	F	S		
	S	Е	?		
Pascal's Triangle					Can you predict the next row of numbers?
1 1 1 2 1 1 3 3 1					Is there a patern in the sums of the numbers in the rows?
1 4 6 4 1 1 5 10 10 5 1 1 6 15 20 15 6 1 1 7 21 35 35 21 7 1 1 8 28 56 70 56 28 8 1					Do any numbers repeat?
$1 \times 9 + 2 = 11$ $12 \times 9 + 3 = 111$ $123 \times 9 + 4 = 1111$ $1234 \times 9 + 5 = 11111$					What is the sequence in row 5? Does the pattern continue to grow for row 6?
Fibonacci Sequence					4. What are the next three numbers in the sequence?
0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55,					How do you know?
A A B A B C A B C D B B C B C D B C					5. What letters (A, B, C, D) belong in the two empty spaces?