Math 6	DATE :	Worksheet 2
SECTION :	SCORE :	
Formulates the rule in finding the nth checking, working backwards) e.g. 4, MONDAY		
A list of number arranged in a row in A sequence is an enumerated collection	s called a number sequence. Each number of objects (usually numbers) that fol	7
The "nth term" is a formula that enable		
Example 1, In the sequence 4,7,10,13 find the 7 th	term. Notice that the terms of the se	quence have a constant difference of 3
thus it can be guessed that the term co	ntains 3n. And based from the 0th terr	
1 st term 3(1) + 1= 4	5^{th} term3(5) + 1 =	
2 nd term3(2) + 1 =7	6^{th} term3(6) + 1 = 19	
3 rd term3(3) + 1= 10	7 th term3(7) + 1 = 22	
4 th term3(4) + 1 = 13	The 7 th term then is 22.	
Firewale 3 Fiberesei Services	0112250122124	
Example 2. Fibonacci Sequence The Fibonacci Sequence is found by add	0, 1, 1, 2, 3, 5, 8, 13, 21, 34,	hor
The number 2 is found by adding the tw		ner.
The number 21 is found by adding the to		
The next number in the sequence abov	[성기에 가장 나타가 되었다는 여러면 이 사람들이 되었다면 하는 것 같아 하면 하면 하면 하면 하면 하면 하다.	
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Example 3. Square Numbers	1, 4, 9, 16, 25, 36, 49	
They are the squares of counting/v	whole numbers 1, 2, 3, 4, 5, 6, 7, 8.	
1x1=1	5x5= 25	
2x2=4	6x6= 36	
3x3=9	7x7 = 49	
4x4=16	8x8= 64	
Example 4. Cube Numbers. They a	re the cubes of counting numbers 1, 2	2, 3, 4, 5.
1x1x1=1		
2x2x2=8		
3x3x3=27		
4x4x4=64 5x5x5=125	ext few numbers?	
can you figure out the fi	ext lew numbers:	
Directions: Study each sequence and v	vrite the next two missing terms	
1. 3, 7, 11, 15, 19,,	The the next two missing terms	
2. 4, 7, 13, 25,		
3. 16, 25, 36, 49,		
4. 3, 7, 15, 31,		
5. 9, 18, 27, 36, 45,		
TUESDAY	Lesson and Alexander Control	Land Land
Directions: Write the rule used for eac	5) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	umber.
1. 1, 6, 11, 16, 21	Rule :	
2. 5, 9, 13, 17, 21 3. 8, 16, 24, 32, 40	Rule :	
	Rule : Rule :	
5 22 40 45 44 7	Rule :	
5. 23, 19, 15, 11, /		

WEDNESDAY

Differentiates expression from equation . M6AL-IIId-15

Algebraic equation- gives a complete information because of the relation symbol (=)

Examples: 3n = 21, x+7=13, Twice the sum of a number and 9 is 36.

Algebraic expression- does not give a complete information for it has no answer and no relation symbol

Directions: Analyze ea	ch number sentence and wi	rite expression or equa	tion on the space provided for.				
1. 34 more tha	in a number	8 8	5.0 (.55)				
2. 5x6 + (9 ÷ 3)							
3. 5N = 625							
4. A Number -	- 12						
5. The product	of a number and 8 is 56.						
THURSDAY							
Directions: Put expres	sion or equation before the	number then Match co	olumn A with column B.				
Α		В					
1. a increased by b		a. 6 x d = 12					
2. the difference between x and y		b. x ² - y					
3. three times k minus l		c. (3xk)-I					
4. the product of 6 and d is 12		d. a + b					
5. the square o	f x diminished by y	e. x - y					
FRIDAY							
1. What formula is de	erived in finding the seque	ence <i>4, 12, 20, 28, 36</i>	?				
A. n+8 - 4	B. 8 x n +4	C. 8n - 4	D. 4 + 8				
2. What will be the 1	00 th term for the sequenc	e 5, 11, 17, 23, 29	?				
A. 599	B. 600	C. 400	D. 499				
3. Which of the follow	wing is an equation?						
A. 10 + 9	B. $0.5+0.2 = 0.4 + 0$.	3 C. 25 x 5 + 6	D. (8 + 9) x 15				
4. The square of 3 dir	minished by 8 is 1, what is	the numerical transl	ation?				
A. $3^2 - 8 = 1$	B. $2^3 - 8 = 1$	C. $3 \times 8 = 24$	D. $3^3 - 8 = 1$				
5. If thrice a number	is increased by 11, the re	sult is 35. What is the	e equation for the problem?				
A. n + 11 = 35	B. $3 + n = 11$	C. 3n + 11 = 35	D. 2n + 12 = 35				