Grade 5 Mathematics

Week of November 30 – December 4

Lesson 3.1 – Sequences

Lesson Materials

- Lessons for <u>Section 3.1 Sequences</u>
- Sequences Learning Guide (This PDF)

Use the link above to open the lessons for this section. Remember: on the lesson page, use the arrow next to the "Table of Contents" at the **top of the page** to move through the lessons. You can also click on the Table of Contents to open the menu so you can jump to a specific lesson page.

= 041 × M	iodules > Mathematics > 1.1 P	lace value			
Home	WCLN.ca Introdu	uction to Numbers			Table of Contents 🝷 😔
	Numbers are all aroun measure or label.	atical object used to count,			
		Count	Measure	Label	
		-	centimeter decimeter	Contraction of the	and an

Work through the online lessons. You can work at your own pace or follow the suggested schedule below. Complete the activities in your Learning Guide as you work through the lessons. You can print the Learning Guide, or, copy out the questions on a separate piece of paper. Be sure to try the games and practice quizzes as you make your way through the online lesson book.

Suggested Lesson Schedule

Monday	Thursday
Sequences	Patterns
• LG 3.1 #1-2, p. 1-2	T-Tables
	• LG #6-7, p. 5-6
Tuesday	
Find the Error	Friday
• LG #3, p. 3	 Relationships in Tables
	Variables
Wednesday	• LG #8, p. 6
More Complex Sequences	
• LG #4-5, p. 4-5	

Name:



UNIT 3 LEARNING GUIDE – EQUATIONS

INSTRUCTIONS:

Using a pencil, complete the following questions as you work through the related lessons. Show ALL of your work as is explained in the lessons. Do your best and always ask questions if there is anything that you don't understand.





$\bigcirc \bigcirc \bigcirc$
d. 60, 66, 72, 78,,,,,,
Pattern Rule:
$\bigcirc \bigcirc \bigcirc$
e. 1, 3, 9, 27,,,,,,
Pattern Rule:

- 2. Extend each decreasing pattern with the next 5 numbers. Determine the pattern rule.
 - Example:

40, 36, 32, 28, <u>24</u>, <u>20</u>, <u>16</u>, <u>12</u>, <u>8</u>

Pattern Rule: Start at 40 and subtract 4 each time

-4 (-4)

-4

$\bigcirc \bigcirc \bigcirc$
a. 105, 95, 85, 75,,,,,,,,
Pattern Rule:
$\bigcirc \bigcirc \bigcirc$
b. 1003, 999, 995, 991,,,,,,,,
Pattern Rule:
C. 325, 300, 275, 250,,,,,,,,,,,,,,,,,
O O O d. 67, 64, 61, 58,,,,,,,,,,,,



	()	\bigcirc	\bigcirc	
e.	99,	88,	77,	66, _	
	Patte	rn Rule	2:		

 Read the pattern rule and create the first 4 terms of each pattern. The first one is done for you.
 Example:

Rule: Start at 100 subtract 5 each time.

Pattern: <u>100, 95, 90, 85</u>_____

a. Rule: Start at 24 add 7 each time.

Pattern: _____

b. Rule: Start at 72 subtract 3 each time.

Pattern: ______

c. Rule: Start at 56 subtract 8 each time.

Pattern: ______

d. Rule: Start at 31 add 12 each time.

Pattern: ______

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4. Read the pattern rule and create the first 5 terms of each pattern. The first one is done for you.

Example:

Rule: Start at 8. Add 2. Increase the number you add by 2 more each time.

+2 +4 +6 +8 8, 10, 14, 20, 28

- a. Rule: Start at 2. Alternately add 2, then add 3.
- b. Rule: Start at 5. Increase the number you add by 4 more each time.
- c. Rule: Start at 2. Multiply by 2. Increase the number you multiply by 2 each time.
- d. Rule: Start at 2. Alternately multiply by 10 and divide by 2.
- e. Rule: Start at 5. Alternately multiply by 2 more each time, then divide by 2.

Math 5



Write the next 4 terms in each pattern. Write eac

a.	100, 125, 120, 145, 140,,,,,
	Rule:
b.	85, 81, 90, 86, 95,,,,,,
	Rule:
c.	36, 72, 144, 288, 576,,,,,,
	Rule:

6. Use the t-table to solve the increasing block pattern.



a. How many blocks will there be in Figure 6 and Figure 7?

b. What is the pattern rule for the block pattern?

Figure	Number of
	Blocks
1	6
2	7
3	
4	
5	
6	
7	



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7. Use the t-table to solve the increasing block pattern.



- a. How many blocks will there be in Figure 5 and Figure 6?
- b. How many blocks will there be in Figure 10?
- C. What is the pattern rule?
- **8.** Use the t-table to solve the dot pattern.



- a. How many dots will there be in Figure 5 and Figure 6?
- b. How many dots will there be in Figure 10?
- c. What is the pattern rule for the dot pattern?

Figure	Number of
	Blocks
1	
2	
3	
4	
5	

Figure	Number of Dots
1	3
2	6 (+3)
3	10 (+4)
4	
5	
6	