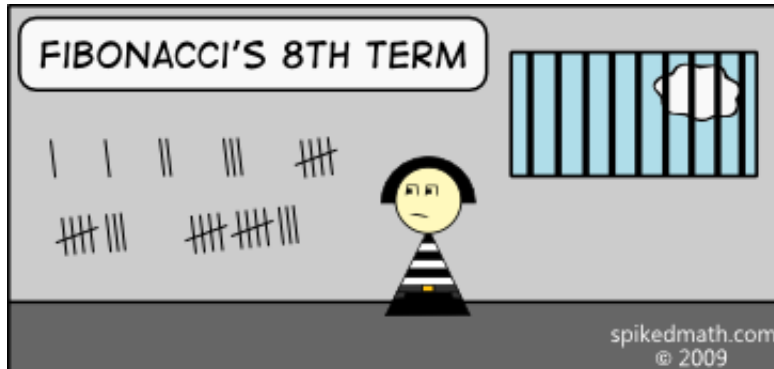


Name: \_\_\_\_\_ Period: \_\_\_\_\_

## Study Guide Patterns Cycle

**Math 7 Week 1 & Week 2: January 17<sup>th</sup> – January 20<sup>th</sup> & January 23 – January 27<sup>th</sup>**



### Essential Questions:

- How can patterns be used to make predictions?
- How is thinking algebraically different from thinking arithmetically?

### Overview:

To start the new quarter and bring to close the structures cycle, we will begin with a mystery sequence activity to get our brains starting to think with patterns. After our mystery, we will look back at our Algebra Expressions and find patterns in the terms and factor out commonalities between them. At the start of the second week, we will link our understanding of algebraic expressions to words in our language to better understand story problems.

### Checklist of activities:

Complete?	Due Date	Assignments
	<b>1-19-17 (A-Day) 1-20-17 (B-Day)</b>	<b>Mystery Sequence Activity/Assignment</b>
		<b>3.5 Factoring Algebraic Expressions (Station Rotation W/Mini Lesson) [Lesson Date: 1-19-17 (A-Day), 1-20-17 (B-Day)]</b>
	<b>1-23-17 (A-Day) 1-24-17 (B-Day)</b>	<b>3.5 Homework: Course 2A Pg. 165: L1&amp;L2: 4,6,8,10; L3: 18, 20, 22, 24; L4: 28, 30</b>
		<b>3.6: Writing Algebraic Expressions (Station Rotation W/ Mini Lesson) [Lesson Date: 1-23-17 (A-Day), 1-24-17 (B-Day)]</b>
	<b>1-31-17 (A-Day) 1-30-17 (B-Day)</b>	<b>3.6 Homework: Course 2A Pg. 176: L1&amp;L2: 1-4; L3: 6-9; L4: 10, 11</b>
<b>N/A</b>	<b>N/A</b>	<b>Intersession January 25<sup>th</sup> – January 27<sup>th</sup></b>