

AR.Math.Content.4.OA.C.

- Generate a number or shape pattern that follows a given rule
- Identify apparent features of the pattern that were not explicit in the rule itself

WHAT IS A PATTERN? A pattern is a sequence or series that repeats. In math, a numeric pattern is a repeated series or sequence of 5 2 3 4 1 numbers given a specific rule. +1



Understanding patterns: 🥜 Finding the relationships in patterns Step 1: We ask ourselves if the pattern is increasing or decreasing? When we increase we are either multiplying When we decrease we (x) or adding (+)!are either dividing (÷) Example: or subtracting (-)! 1,2,3,4... (we are adding Example: by +1) 5,4,3,2,1... (we are subtracting by one)

Step 2: How do we get from one number to the next? What relationship do the numbers share?



+/

+/

+4



Step 3: Does the rule apply to every number?







LET'S REVIEW:

We are going to identify the rule and continue to generate the pattern based on that given rule.



Let's Practice:

Let's Practice:		6
In	 Out	
10	7	
9	6	
7	4	
5		
4		

Resources Cited:

Foundation, CK-12. "12 Foundation." CK,

flexbooks.ck12.org/cbook/ck-12-middle-school-math-concepts-grade-7/section/1.1/primary/lesson/equations-that-describ e-patterns-msm7/.

"Free Math Google Slides Themes and PowerPoint Templates for Presentations." *Slidesgo*, slidesgo.com/search?q=math#rs=search.

Giphy. "Be Animated." GIPHY, giphy.com/

"Learning Services." ADE Division of Elementary and Secondary Education, dese.ade.arkansas.gov/Offices/learning-services/curriculum-support/arkansas-academic-standards

"Love Learning." *Teachers Pay Teachers*, <u>www.teacherspayteachers.com/Store/Love-Learning-3204</u>.