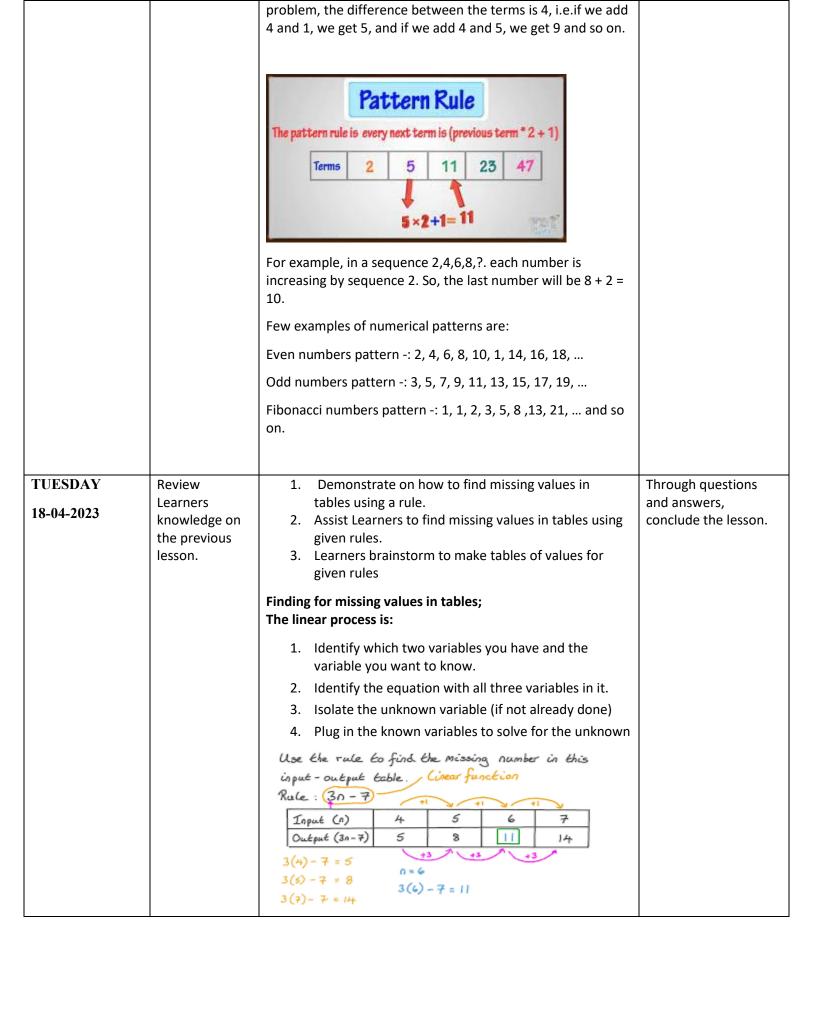
EaD Comprehensive Lesson Flans



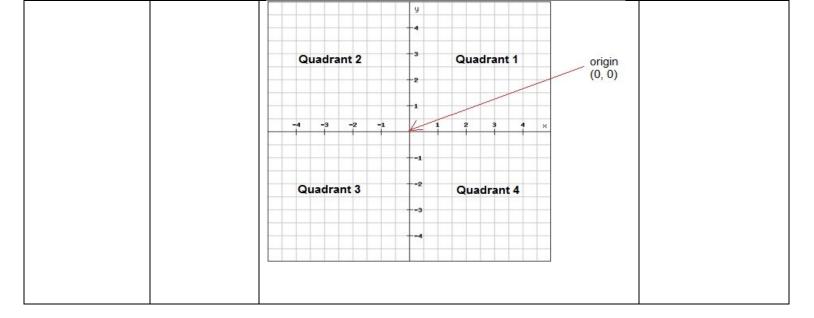
BASIC 7

WEEKLY LESSON PLAN – WEEK 3

Strand:	Algebra	St	Sub-Strand:		Patterns and Relations					
Content Standard:	B7.2.1.1 Derive the rule for a set of points of a relation, draw a table of values to graph the relation in a number plane and make predictions about subsequent elements of the relation.									
Indicator (s)	pattern/mapping symbolically and elements	rify the relation or rule in a g presented numerically or ad predict subsequent The points on the number le of values of a given graphs for given relations and problem Performance Indicator: Learners can determine an element with a rule.						rmine an		
	plane, draw table									
Week Ending	21-04-2023			•						
Class	B.S.7	Class Size:			Dura	ition:				
Subject	Mathematics	l	ı		ı		I			
Reference	Mathematics Cur	Mathematics Curriculum, Teachers Resource Pack, Learners Resource Pack, Textbook.								
Teaching / Learning Resources	Charts, Poster, I	Charts, Poster, Pictures. Core				Competencies: • Analyzo judgment abou expressed in ar			•	
DAYS	PHASE 1 : STARTER	PHASE 2: MAI	N					PHASE REFLEC		
MONDAY 17-04-2023	Assist Learners to identify the rules for symbolic	 Learners brainstorm to differentiate between symbolic patterns and numeric patterns. Discuss with Learners on how to determine the rule for a given numeric patterns 						Ask Learners to find rules to patterns.		
17-04-2023	patterns.	 Learners in small groups to discuss and present to the class the rules for examples of symbolic and numeric patterns. 				0	Exercise; Find the missing numbers in the			
		Finding Missing Term: Consider a pattern 1, 4, 9, 16, 25, ?. In this pattern, it is clear that every number is the square of their position number. The missing term takes place at $n = 6$. So, if the missing is x_n , then $x_n = n^2$. Here, $n = 6$, then $x_n = (6)^2 = 36$. Difference Rule: Sometimes, it is easy to find the difference between two successive terms. For example, consider 1, 5, 9, 13, In this type of pattern, first, we have to find the difference between two pairs of the sequence. After that, find the remaining elements of the pattern. In the given					sequence i. ii.			
							iii.	, 128, ´ 		



		a. According to the given condition, if the input is x , then the output is $5x+2$. This rule is fixed and therefore defines a function. Following is the table of values:	
THURSDAY 20-04-2023	Discuss the meaning of "Mapping" with the Learners.	 Assist Learners to identify steps to follow to draw a table for the mapping defined by rules on a domain. Demonstrate on to how to locate points on a number plane. Individual Learners to practice locating points on a number plane. Assist Learners to draw graph for given relations. 	Learners brainstorm to use knowledge of identifying and plotting points in a number plane to solve problems.
		 Creating a Mapping Diagram; To create a mapping diagram draw two circles and label the first as the inputs and the second as the outputs (or whatever these are in the scenario). Then, draw an arrow from one input value to its matching output value continue until all input, output values are matched 	1. Draw the following ordered pairs in the coordinate plane (0,0); (0,4); (4, -2); (-2, -4); (1, 3) 1.
		 Locating Points on a coordinate plane; To identify the x-coordinate of a point on a graph, read the number on the x-axis directly above or below the point. To identify the y-coordinate of a point, read the number on the y-axis directly to the left or right of the point. Remember, to write the ordered pair using the correct order (x,y). 	



Name of Teacher: School: District: