

Aathematical Values: Jenerality and Expandability Reasonableness and Harmony Jsefulness and Efficient Jimpler and Easier Beautifulness	Mathematical Attitude attempting to: See and think mathematically Pose question and develop explanation such as why and when Generalize and extend Appreciate others' idea and change representation to conceptualize	tabits of mind for Citizen to live: lessonaby and critically with respecting and appreciating others armony Creatively and innovatively in armony utoficulty using tools such as ICT a mopwerty in imagining the future through fealong learning
-	Mathematical Thinking and Pro	cesses Leave and
Mathematical Ideas for: Set, Unit, Compare, Operate, Algorithm, Fundamental principle, and Varied representation such as table, diagram, expressions, graph and translations.	Mathematical Thinking: Generalization and Specialization Extension and Integration Inductive, Analogical and Deductive reasonin Abstracting, Concentizing and Embodiment Objectifying by representing and symbolizing Relational and Functional thinking Thinking forward and backward	Mathematical Activities for: Problem Solving Exploration and inquiry is Mathematical Modeling Conjecturing, Justifying and Proving Conjecturing, Justifying and Proving Conjecturing, Justifying and Proving and Proceduralization Representation and Sharing Intert
Numbers & Operations Ouantity & Measurement	Extension of Number and	Number & Algebra Source & Community
le are reading the JP to ontent of learning and /ho learn and think by	extbook by using terminology to exp sequence of content for knowing to and for themselves through the pre	plain to distinguish every

Light what you already know on the pact 18 loccond						
Review USing what you already knew on the past 18 lessons!						
TOPIC 1: INTRODUCTION	L1: Introductive discussion to develop mathematical thinking			this program ar		
TOPIC 2: NUMBERS	L2: How to introduce number		L3: What is	n the ways of learning from the		
TOPIC 3: ADDITION AND	L4: How to Introduce addition	n	L5: What is a past process o learning.			
SUBSTRACTION	L6: How to introduce subtra	: How to introduce subtraction L7: What is s		^{si} 🗆 Participants nee		
TOPIC 4: EXTEND NUMBER TO 100	L8: How to extend number to more than 10	L9: How to extend addition to consider when new.				
SUBTRACTION USING COLUMN	L11: How to extend number to more than 100	L12: How to introduce column addition		L13: How to introduce column subtraction		
	L14: How to introduce multiplication		L15: How to develop multiplication table			
TOPICS. MOETIPEICAL ON	L16: What is the multiplication table		L17: How to introduce column multiplication			
TOPIC 6: DIVISION	L18: How to introduce division		L19: How to extend division with remainder			
TOPIC 7: REFLECTIVE DISCUSSION	L20: Panel-Reflective discussion for summary					















