

Mathematical Values: Generality and Expandability Reasonableness and Harmony Usefulness and Efficient Simpler and Easier Beautifulness	to: See and think mathematically Pose question and develop explanation such as why and when Generalize and extend Appreciate others' idea and change	Habits of mind for Citizen to live: assonably and critically with respecting and appreciating others variance of the second second second second second rarmony in imagining the future through fileong learning
$\frown$	Mathematical Thinking and Pro	COSSOS
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 reasoni Astracting, Concentizing and Embodiment Objectifying by representing and symbolizin Relational and Functional thinking Thinking forward and backward	Conjecturing, Justifying and Proving g Conceptualization and Proceduralization Representation and Sharing for the
Numbers & Operations Ouantity & Measurement	Extension of Number and	Number & Algebra
content of learning and who learn and think by	extbook by using terminology to ex sequence of content for knowing t and for themselves through the pro ABES-CCRLS(by SEAMEO-RECSAM	he way to develop children eparation of future learning.

Review Using what you already knew on the past 1/ lessons!							
TOPIC 1: INTRODUCTION	L1: Introductive discussion to develop mathematical thinking				this program an able to imagine		
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		L5: What is				
SUBSTRACTION	L6: How to introduce subtraction		L7: What is	<sup>si</sup> 🗆 Participants nee			
TOPIC 4: EXTEND NUMBER TO 100 WITH ADDITION AND	L8: How to extend number to more than 10	L9: How to extend addition			to consider wha new.		
SUBTRACTION USING COLUMN	L11: How to extend number to more than 100				L13: How to introduce column subtraction		
TOPIC 5: MULTIPLICATION	L14: How to introduce multiplication		L15: How to develop multiplication table				
TOPICS: MULTIPLICATION	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 改造估話 for summary							

## What is division on situations? On the situation:

Partitive Division

- 12 candies distribute 4 children equally. How many candies each child will receive.
- $12 \div 4 = 3$ , <u>Ans. 3 candies for each child</u>:  $4 \times 3 = 12$  in English

Quotative Division There is 12 candies and each child receive 4 candies equally. How many children will receive it.

 $12 \div 4 = 3$ , <u>Ans. 3 children</u>: 3 x 4 = 12 in English

Do you distinguish these two situations in your textbook? If you distinguish, which one do you teach at first and why? (後 無死た)















