



UNIT GRAPHIC ORGANIZER

SUBJECT: Mathematics

UNIT: 2

COURSE First

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DATE: April 9th – 2025

Basic Regrouped and Equivalent Subtractions - Problem Solving with regrouped additions, basic and regrouped subtractions

THROUGHLINES:

1. What is the process to solve a basic subtraction?
2. What are the steps to subtract with regrouping?
3. How do I recognize a numerical equivalence?
4. What mathematical operation can use to solve problems in real context?

GENERATIVE TOPIC



UNDERSTANDING GOALS:

<p>The student will understand the process and the parts of basic subtraction using manipulatives to develop simple exercises when they need to subtract in their daily life, taking into account the position of place value.</p>	<p>The student will comprehend how to develop subtraction with regrouping using concrete material in order to recognize the way that number have to be grouped and represent it in the place value chart.</p>	<p>The student will learn how to identify a numerical equivalence between subtractions, using different mathematical operations to find commutative property showing matching results.</p>	<p>The student will understand the use of mathematical operations, taking into account, the four steps by identifying situations of daily life and how they will practice it in real contexts and representing in a graphical way.</p>	<p>The student will differentiate what algorithm can they use for solving word problems, identifying the four steps (See – Plan – Do – Check) to choose the proper algorithm for each word problem.</p>
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	UNDERSTANDING PERFORMANCES	TIME	ASSESSMENT	
	ACTIONS		WAYS	CRITERIA
Exploration Stage	<ul style="list-style-type: none"> To solve some exercises, emphasize the action of taking a quantity away from another one. To develop a contest in which students reach different levels by the development of subtractions with regrouping. To find the same difference in the subtractions. To propose situations in which students solve problems with mathematical operations. 	2 weeks	<ul style="list-style-type: none"> Using pictures what shows basic subtractions exercises. Using real manipulatives such as base ten blocks, wood sticks, tokens, pop it. Asking questions such as, how much is missing in these pictures to have the same number of 	<ul style="list-style-type: none"> Uses the given instructions with the help of basic Math concepts.

	<ul style="list-style-type: none"> To identify the correct algorithm in the word problems statement. <p>ADVANCES OF THE PROJECT</p> <p>The synthesis project called "Expo-Garden" will be implemented during the first academic semester. The subject of science will be the central axis and will be transversal with the other subjects.</p> <p>In this project, students will learn about the uses and benefits of medicinal plants. They will be identified from the germination process to obtaining a natural body care product from them. In the second two months, the students will take appropriate care of the plants that are growing in the garden, keeping a record of the changes presented week by week.</p> <p>As a final product, each course will choose a product for human use made with the medicinal plants planted in the garden (calendula, chamomile, basil, fennel, lavender, coriander...) creating their label and socializing the product with their classmates in the first grade and taking a small product home.</p>		<p>elements as the other one? And so on.</p> <ul style="list-style-type: none"> Using the four steps. Using basic algorithms <p>ADVANCES OF THE PROJECT</p> <ul style="list-style-type: none"> Resolving different situations of addition and subtraction that arise in the purchase and sale of aromatic plants. Identifying the parts of a plant and the benefits it provides to people. Participating in the elaboration of a product based on an aromatic plant. 	
<p>Guided Stage</p>	<ul style="list-style-type: none"> To solve basic subtractions with concrete material. To play a game in which the students solve subtractions with regrouping and range points by each level in the classroom. To present different amounts to the students, in order to identify numerical equivalences. To solve simple daily situations represented on pictures to be interpreted and solved through regrouped addition. To solve simple daily situations represented on pictures to be interpreted and solved through basic and regrouped subtractions. 	<p>4 weeks</p>	<ul style="list-style-type: none"> Using the "subtractions machine" to subtract in activities on the guide. Using base ten blocks. Using counters. Using videos about the four steps. Using the didactic guide and examples displayed on the screen. 	<ul style="list-style-type: none"> Internalizes mathematical processes to apply them in everyday life. Participates actively during the classes.

	<p>ADVANCES OF THE PROJECT</p> <p>Week 9 Visit and identify the changes that the plants have undergone.</p> <p>Week 10 Record the changes evidenced in the garden.</p> <p>Week 11 and 12 Inquire about the artificial and natural products that these plants use in their constitution.</p> <p>Week 13 & 14 Create labels for products.</p> <p>Week 15. Organize the products with their labels for display.</p> <p>Week 16. To make the product known to the other students of first grade. (Exhibition)</p>		<p>ADVANCES OF THE PROJECT</p> <ul style="list-style-type: none"> • Observing and analyzing the growth of the plants that the students planted. • Classifying the elements that are needed in the production of the product. • Doing an exhibition of the parts of the plants, benefits of the plants, the process of making the product and a sample of the final product. 	
<p>Learning Evidence</p>	<ul style="list-style-type: none"> • To make a product based on a medicinal plant, so that students identify and participate in the process. 	<p>2 weeks</p>	<ul style="list-style-type: none"> • Creating different problems with everyday items such as those in an aromatic plant store and solving the price by doing basic and regrouped addition and subtraction. 	<ul style="list-style-type: none"> • Demonstrates comprehension of the topics learnt through the correct presentation of them.