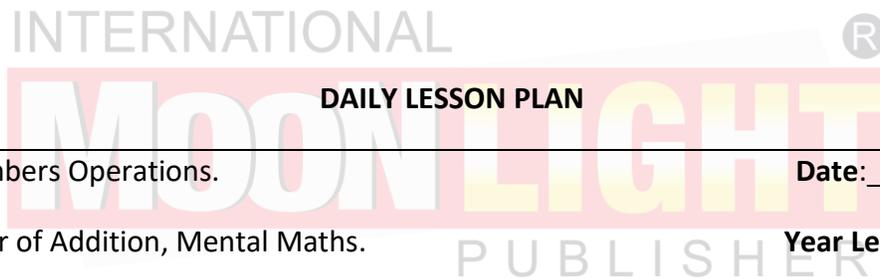


DAILY LESSON PLAN

Math GRADE:3

(NO.2/19)



Unit 2: Numbers Operations.

Date: _____

Topic: Order of Addition, Mental Maths.

Year Level: 3

Key Learning Area: Addition equations, ordering of numbers in addition,

Use of mental strategies in addition operation.

Outcomes: Students will be able to order the numbers in addition, Use of mental

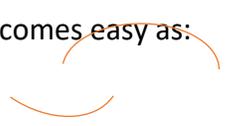
Strategies in addition.

Lesson Structure:

Time	Introduction (Set):	Teaching Approaches
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10 min.	<p>Start explaining the importance of numbers order in addition operation.</p> <p>Give your students the concept of “Commutative property”</p> <p>Define the Commutative property:</p> <p>When we add two or more whole numbers, their sum is the same regardless of the order of the addends.</p> $6 + 5 = 11$ $5 + 6 = 11$ <p>Tell your students that we are going to practice the ordering of addition with respect to commutative property and mental math strategies.</p>	<p>Commutative Property of Addition:</p> <p>Demonstrate some of the addition w.r.t commutative property on the board. Then encourage students to solve page number 38</p> <p>Activity 1:</p> <p>Try the commutative property of addition with different numbers. Ask the students to make at least 10 addition equations and check.</p>
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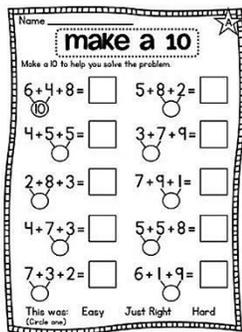
LESSON STRUCTURE:

Time	Main Content:	Teaching Approaches
25 min.	<p>Finding the Ten:</p> <p>This is a mental math trick that will help students develop their procedural fluency.</p> <p>Instead of adding two numbers together as they are, encourage students to add them up to 10, and then add the remainder to that 10. For example, the process for $7 + 5 + 3$ is:</p>	<p>Mental Maths Strategies for 1-digit Numbers:</p> <p>In adding three numbers, if we find two numbers whose sum is 10, the process of addition becomes easy as:</p>  $7 + 6 + 3 = 10 + 6 = 16$

We still need to add an extra 5, to turn that 5 into 1

- $10 + 2 = 12$

Firstly, let your students practice the finding of ten with 1-digit numbers by different worksheets as:



Once the students get comfortable with the addition of the given concepts. Give them some 2-digit numbers for addition by using mental maths strategies.

Give them some brain teasers like:

How can we mentally add 56 and 32?

Ask them to solve pages number 38-40 from the *Incredible Mathematics* book of grade 3.

Mental Maths Strategies for 2-digit Numbers:

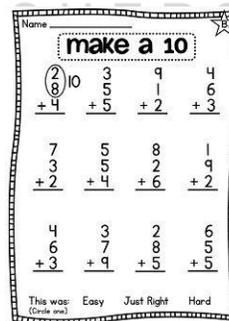
Tell them the fact that it's easy to add tens to any number. Especially when we are adding mentally this strategy will help us a lot.

$$34 + 25 = \underline{\quad}$$

$$30 + 20 + 4 + 5 = 59$$

Worksheet:

Handover some related worksheets of mental maths for finding ten strategies:



Time	Conclusion:	Teaching Approaches
5 min.	Students will be able to: Understand the concept of the commutative property.	Review the lesson with students. Ask students,

	Add the numbers by commutative property. Add by using mental strategies. Add the 1 and 2-digit numbers by making ten first and then add the remaining.	"what did we learn about Addition today"? Ask for questions.
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Resources:

Writing board, chalk/marker, color pencils, worksheets for Addition, Place value chart, Unifix cubes/ Lego blocks, Incredible Mathematics Grade 3 book, notebooks etc.

Safety Consideration/ Materials

None

Assessment

Related worksheets

Board test

Mind-teasers.

Quiz etc.

Reflection

Students have understood the following:

Concept of the commutative property.

How to add the numbers by commutative property.

How to add by using mental strategies.

How to add the 1 and 2-digit numbers by making ten first and then add the remaining.

