

DAILY LESSON PLAN

Math GRADE:3

(NO.16/19)

INTERNATIONAL
DAILY LESSON PLAN

Unit 2: Numbers Operations.

Date: _____

Topic: Multiplication of a Number by 0 and 1,

Year Level: 3

Mental Maths.

Key Learning Area: Multiplication properties with 0 and 1, mental math strategies.

Outcomes: Students will be able to solve single digit multiplication problems using mental strategies.

Students will be able to explain how to solve multiplication sums with 0 and 1.

Lesson Structure:

Time	Introduction (Set):	Teaching Approaches
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10 min.	<p>Begin this lesson Tell students, "Today we are going to practice the multiplication properties with 0 and 1."</p> <p>Introduce your students with the table of zero and one. Either write down the tables on the board or place a chart in the classroom.</p> <p>Let the students compare the both tables. Ask some questions as:</p> <p>Which number gives us the same number back upon multiplying?</p> <p>Which digit while multiplying nullify the whole groups/number?</p>	<p>Warm-up Activity:</p> <p>Draw or paste the following properties on the board and ask your students to what did they understand by looking at this?</p> <p style="text-align: center;"> $0 \times 1 = 0$ $1 \times 1 = 1$ </p>
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LESSON STRUCTURE:

Time	Main Content:	Teaching Approaches
25 min.	<p>Multiplication with Zero:</p> <p>The multiplication product of zero is a universal math rule that states that when one of the factors in a multiplication problem is zero, the product is zero, too.</p> <p>Teaching this concept early on is a no brainer for kids, it offers kids a quick and easy way to solve any multiplication problem that includes a zero</p> <p>Multiplication with One:</p>	<p>Activity 1:</p> <p>Check out Jack Hartmann Kid’s Music Channel on YouTube and watch “Multiply by 0” with your child and sing along! This catchy song will ensure that your students remember the rule?</p> <p>Worksheets:</p>

	<p>“The product of any number multiplied by 'one' is equal to the number itself”. This is called the multiplicative identity.</p> <p>Mental Math Strategies:</p> <p>Recall all the rules and properties of multiplication then write some 1-digit number problems on the board horizontally. Ask the students to solve problems with the help of tables.</p> <p>Enforce the concept that multiplicative tables make our work way too easy rather than repeated addition.</p> <p>Also help them to solve pages number 62 and 63 of the <i>incredible Mathematics book grades 3</i>.</p>	<p>Handover or write down some multiplication worksheets with 0 and 1 property as:</p> <p style="text-align: center;">$1 \times 45 = \underline{\quad}$</p> <p style="text-align: center;">$0 \times 1 = \underline{\quad}$</p> <p style="text-align: center;">$0 \times 99 = \underline{\quad}$</p> <p>Mental math’s- Multiplicative worksheets:</p> <p>Handover printed worksheets that involve all the rules of multiplication. Ask students to recall all the multiplicative tables before solving the worksheets.</p>
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Time	Conclusion:	Teaching Approaches
5 min.	<p>Students will be able to:</p> <p>The rules of zero in multiplication.</p> <p>The rules of one in multiplication.</p> <p>How to solve double digits multiplication with zero and one.</p>	<p>At the end of the lesson, give students three examples to try on their own.</p> <p>As students work on these examples, walk around the classroom to evaluate their skill level.</p>

Resources:

Writing board, chalk/marker, color pencils, Place value chart, Multiplication worksheets, 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:

The rules of zero in multiplication.

The rules of one in multiplication.

How to solve double digits multiplication with zero and one.