

DAILY LESSON PLAN

Math GRADE:4

(NO.4/6)

INTERNATIONAL **DAILY LESSON PLAN** [®]
MOONLIGHT
PUBLISHERS

Unit 2: Factors and Multiples.

Date: _____

Topic: Multiples.

Year Level: 4

Key Learning Area: Concept of multiples.

Difference between Factors and Multiples.

Outcomes: Students will be able to differentiate the factors and multiples.

Students will be able to find out the multiples of numbers upto 50.

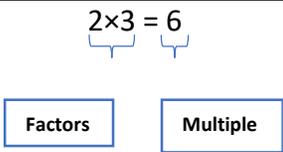
Lesson Structure:

Time	Introduction (Set):	Teaching Approaches
10 min.	<p>Explain that today they'll expand their understanding by differentiating the factors and multiples.</p> <p>Define multiples:</p>	<p>Warm-up Activity:</p> <p>Ask your students to recall the tables.</p> <p>Write down the table of two on the board.</p>

	<p>A multiple of a number is the product of that number and any other number.</p> <p>Give example of by writing any table and highlighting its multiples.</p> <p>Define Factors:</p> <p>The numbers that can exactly divide a given number are called the factors of that number.</p> <p>Give examples of any number and its all possible factors says 12: 1, 2, 3, 4, 6, 12.</p> <p>Tell your students that we can find multiples of a number in multiplication tables.</p>	<p>Highlights the multiples of 2 by circling its table.</p> <p>Ask your students to write down the multiples of 3, 4, 5 etc on their notebooks.</p> <p>Ask some random questions as: Is 36 is the multiple of 6?</p> <p>Can you tell me at least 3 multiple of 7?</p>
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LESSON STRUCTURE:

Time	Main Content:	Teaching Approaches
25 min.	<p>Difference between Factors and Multiples:</p> <p>Factors: Are the whole numbers that are multiplied together to produce another number e.g. $2 \times 3 = 6$. Here 2 and 3 are the factors of 6.</p> <p>Multiple: A multiple is the product that we get when one number is multiplied by another number e.g. $2 \times 3 = 6$. Here 6 is the multiple of 2 and 3.</p>	<p>Factor Tree:</p> <p>The teacher will model the factor tree and help to find out the factors and multiples from it:</p> <div style="text-align: center;"> </div> <p>The teacher will give some numbers to students to find the</p>

<div style="text-align: center;"> $2 \times 3 = 6$  </div> <ul style="list-style-type: none"> • The process used for obtaining factors of a number is division. • The process used for obtaining multiple of a number is multiplication. <p>Write down some missing sequences on the board. Ask the students can you identify the missing sequences? Can you complete the list of multiples of 6 up to 60. They need to have a strong grip on multiplicative tables.</p> <p>Properties of Multiples:</p> <ul style="list-style-type: none"> • Every number is a multiple of itself. • The multiples of a number are infinite. • The multiple of a number is greater than or equal to the number itself. <p>Elaborate each property of multiple by giving example.</p> <p>Once the students get the concept ask them to solve the page number 52 of <i>incredible Mathematics of grade 4</i>.</p>	<p>factor pairs on their own and then check their answers for both multiples and factors.</p> <p>Activity 1:</p> <p>Conduct a competition by handing over a bunch of flash cards to each group with randomly listed parts of the tables. The other group will respond when asked for examples 6×7? Also give them cards with numbers and ask about the factors of these numbers. The group that answers the most correctly wins!</p> <p>Activity 2:</p> <p>Write factors along with multiples. Ask students to come and do same on the board and then task them with writing these in their notebooks. Guide students to perform this activity. Ask them to identify factors and multiples in the practice of tables and by giving them numbers.</p>
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Time	Conclusion:	Teaching Approaches
5 min.	Students will be able to: Differentiate the factors and multiples. Identify and understand the properties of multiples. Find out the multiples of numbers upto 50.	Review the lesson with students. Ask students, "what did we learn about Factors today"? Give enough practice as homework Ask for questions.

Resources:

Flash cards, Chart paper and marker, worksheets for multiples, Factor Tree worksheets, Incredible Mathematics Grade 4 book, notebooks etc.

Safety Consideration/ Materials

None

Assessment

Related worksheets

Board test

Mind-teasers.

Quiz etc.

Reflection

The students have understood that:

- How to differentiate the factors and multiples.
- How to identify and understand the properties of multiples.
- How to find out the multiples of numbers upto 50.

