

## **DAILY LESSON PLAN**

**Math GRADE:4**  
**(NO.6/6)**

### **DAILY LESSON PLAN**

**Unit 2:** Factors and Multiples.

Date: \_\_\_\_\_

**Topic:** Common Factors, Common Multiples.

Year Level: 4

**Key Learning Area:** Multiplicative tables, Common factors, Common multiples.

**Outcomes:** Students will know how to find out the common factors of two

or more than 2-digit numbers.

Students will know how to determine common multiples of two

or more than 2-digit numbers.

#### **Lesson Structure:**

Time	Introduction (Set):	Teaching Approaches
10 min.	Prepare for the topic by asking them to write the definitions for 'factors' and 'prime numbers.' If necessary, review the concept of prime numbers	<b>Warm-up Activity:</b>  Ask your students to recall the tables.

	<p>with the lesson What Are Prime Numbers? - Definition &amp; Examples.</p> <p>Share the answer and preview vocabulary.</p> <p><b>Define Common Factors:</b></p> <p>"When two or more numbers are exactly divided by the same number(s), then those common divisors are known as common factors of the given numbers.      Or</p> <p>We can say a common factor is a number that divides a pair of two or more numbers exactly without leaving any remainder.</p> <p><b>Define Common Multiples:</b></p> <p>The multiples that two or more numbers share.</p> <p>e.g. common multiples of 4 and 6 are 12, 24, 36, 48, ....</p> <p>Tell students they will be learning how to find the common factors and common multiples of a number.</p>	<p>Ask them to write down the definition of prime number and composite numbers.</p> <p>Ask some examples about factors and multiples.</p> <p>You can also write a number on the board as 36. Inquire that how many possible factors they can write for this number? Ask them to write the factors on their notebooks and then check their performance.</p>
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**LESSON STRUCTURE:**

Time	Main Content:	Teaching Approaches

<p>25 min.</p> <p><b>Concepts of Common Factors:</b></p> <p>Ask students that as we already discuss and know about the common factors. Let's understand the steps to find the common factors.</p> <ul style="list-style-type: none"> <li>• <b>Step 1:</b> Write down all the factors of given numbers in separate rows.</li> <li>• <b>Step 2:</b> Now check out the factors that are common in the given numbers and then write down all the common factors in a separate row.</li> </ul> <p><b>Common Multiples through Multiplicative Tables:</b></p> <p>Enforce the concept that the multiplicative tables help us to find out the common multiples of a number. Draw or paste any two tables on the board and mark the common multiples of both multiplicative tables.</p> <p>Once the students get the concept ask them to solve the page number 56-58 of <i>incredible Mathematics of grade 4</i>.</p>	<p><b>Common Factors:</b></p> <p>Demonstrate an example on the board to find out the common factors of the given numbers- 8, 12, 20, and 28.</p> <p><b>Step 1:</b> Writing down all the factors of given numbers.</p> <p>Factors of 8 = 1, 2, 4, and 8.      Factors of 12 = 1, 2, 4, 3, 6, 12.      Factors of 20 = 1, 2, 4, 5, 10, 20.      Factors of 28 = 1, 2, 4, 7, 14, 28.</p> <p><b>Step 2:</b> Common factors (8, 12, 20, 28) = 1, 2 and 4.</p> <p><b>S H E R S</b></p> <p>The teacher will give some numbers to students to find the common factors on their own and then check their answers.</p> <p><b>Activity 1:</b></p> <p>Ask two of your students to write down the multiplicative tables as 6 and 12. Ask the others to chant along them. Once they are done ask everyone to write down the</p>
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		common multiples of these two tables on their notebook.
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Time	Conclusion:	Teaching Approaches
5 min.	<p>Students will be able to:</p> <ul style="list-style-type: none"> <li>• Define common factors and common multiples.</li> <li>• Differentiate between the common factors and Common multiples.</li> <li>• Find out the common factors and common multiples of any two or more than 2-digit numbers.</li> <li>• Solve for prime factorization.</li> </ul>	<p>Review the lesson with students.</p> <p>Ask students, "what did we learn about Coomon factors and multiples today"?</p> <p>Give enough practice as homework</p> <p>Ask for questions.</p>

**Resources:**

Division/cake method worksheets, Chart paper and marker, Common multiples and factors worksheets, Incredible Mathematics Grade 4 book, notebooks etc.

**Safety Consideration/ Materials**

None

Related worksheets

Board test

Mind-teasers.

Quiz etc.

#### Reflection

The students have understood the:

- Definition of common factors and common multiples.
- Differentiation of the common factors and Common multiples.
- How to find out the common factors and common multiples of any two or more than 2-digit numbers.

