

DAILY LESSON PLAN

Math GRADE:4

(NO.12/13)



Unit 3: Fractions.

Date: _____

Topic: Multiplying Mixed Numbers.

Year Level: 4

Key Learning Area: Mixed fractions/Numbers, Multiplication,
 word problems, cross out, common multiples

Outcomes:

- Students will be able to multiply the two Mixed Numbers/Fractions through visual pictures.
- Students will be able to multiply the two Mixed Numbers/Fractions in numerical form.
- Students will be able to apply the multiplication of fraction in real life situations.

Lesson Structure:

Time	Introduction (Set):	Teaching Approaches
10 min.	Teacher will recall the previous lecture with the students. Tell your students that we know that what mixed numbers are!	Multiplication Revision: Teacher will write an improper fraction on the

<p>Fractional Models:</p> <p>Students will more learn through physical fun activities rather than just sitting and listening the lecture. Teacher will provide or demonstrate the multiplying the two improper fraction through Lego blocks or cut out fractional models.</p> <p>After that show the same examples in numerical form.</p>	<p>board and ask the students to convert the fraction into mix number by division.</p> <p>Solve some of the questions on n the board.</p> <p>Multiplication of two Mixed Fractions/numbers through Models:</p> <p>Teacher will demonstrate the example of multiplication of two improper fractions.</p> <p>Visualize the multiplication of a fraction through <i>LEGO Blocks</i> or simply just draw the fractional pictures on the board</p>
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LESSON STRUCTURE:

Time	Main Content:	Teaching Approaches
25 min.	<p>Method 1:</p> <p>Steps for <i>Direct Multiplication</i> of two Improper Fractions:</p> <p><u>Step 1:</u> Convert the mixed numbers into improper fractions.</p>	<p>Multiplication Representation:</p> <p>Teacher will prepare a chart for demonstrational purpose. Write down the rules of mixed number multiplication on the chart.</p>

	<p><u>Step 2:</u> We cross out the common factors.</p> <p><u>Step 3:</u> Multiply the numerators and denominators.</p> <p><u>Step 4:</u> Write the fraction in the mixed number form.</p> <p>Word Problems:</p> <p>Teacher will introduce the related word problems and encourage the students to think at least 5 of their own such word problems as home assignment.</p> <p>Mind Teasers:</p> <p>Give some mind-teasers referring to the same problems. Challenge the students to come on the board and solve the question:</p> <ul style="list-style-type: none"> • What number is $2\frac{10}{4}$ of $3\frac{6}{2}$? <p>Once the students get enough practice in the class, encourage students to give an example of a real world situation where they would have to multiply a whole number with the fractions. Ask them how would you explain and how to do it?</p>	<p>Paste it on the board or in front of your class.</p>
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Time	Conclusion:	Teaching Approaches
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5 min.	<ul style="list-style-type: none">• Students will be able to multiply the two Mixed Numbers/Fractions through visual pictures.• Students will be able to multiply the two Mixed Numbers/Fractions in numerical form.• Students will be able to apply the multiplication of fraction in real life situations.	Review the lesson with students. Ask students, "what did we learn about multiplication of two mixed numbers/fractions today"? Give enough practice as homework Ask for questions.
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Resources:

Board, board marker, Multiplication of fraction real life-related worksheets, Multiplication of two Mixed Numbers/Fractions 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:

- Multiply the two Mixed Numbers/Fractions through visual pictures.
- Multiply the two Mixed Numbers/Fractions in numerical form.

- Apply the multiplication of fraction in real life situations.