



**COLEGIO AUGUSTO WALT
WEB CONTENT DESCRIPTION**

2022-2023

GRADE:
Fifth

SUBJECT:
Math

TERM:
II

TEACHER:
Ms. Marcela Avila

UNITS:

CHAPTER 6: "Add and Subtract Fractions with Unlike Denominators."

CHAPTER 7: "Multiply Fractions."

CHAPTER 8: "Divide Fractions."

CHAPTER 9: "Algebra: Patterns and Graphing."

CHAPTER 10: "Convert Units of Measure."

OBJECTIVES:

Students will be able to:

1. Apply models to add fractions with unlike denominators.
2. Develop reasonable estimates of fraction sums and differences.
3. Successfully solve addition and subtraction problems mixed numbers with unlike denominators.
4. Successfully develop multiplication with fractions and whole numbers.
5. Develop a model to show the product of fractions and whole numbers.
6. Solve in the correct way multiplication of fractions and mixed numbers.
7. Compare the product of factors when multiplying fractions greater than one.
8. Effectively solve problems using the strategy use a diagram.
9. Skillfully interpret a fraction as a division and solve whole-number division problems.
10. Solve division problems that involve whole numbers and fractions.
11. Correctly represents divisions by drawing diagrams and writing story problems.
12. Effectively make and use line plots with fractions to solve problems.
13. Correctly use graphs and name points on a coordinate grid using ordered pairs.
14. Successfully analyze and display data in a line graph.
15. Solve problems using the strategy solve a simpler problem.
16. Correctly compare, contrast customary units of length.
17. Effectively compare, contrast, and convert customary units of capacity.
18. Skillfully convert measurement units to solve multistep problems.

DESCRIPTION: Throughout this term, students will work with different contents that will develop their mathematical skills by working different strategies like, problem solving, modeling strategies, comparing scenarios from real life etc. Besides that, their mental skills will be worked during this term by solving addition, subtraction, multiplication and division with fractions, fractions with mixed and whole numbers, patterns and graphing, and conversion of unit measurements. It has been planned to reach these objectives through different types of activities such as: using different kinds of manipulatives such as, Mathboards, making own models, watching interactive lessons, playing interactive games to reinforcer mental math skills, kahoots, projects and explanations about math problems, creating own math problems, comparing answers and explaining them to class, modeling problems by using charts and diagrams as main resources.



Nº	CONTENTS	ACHIEVEMENT INDICATORS
1	CHAPTER 6: “Add and Subtract Fractions with Unlike Denominators.” Addition with Unlike Denominators	Uses models to add fractions with unlike denominators.
2	Subtraction with Unlike Denominators	Uses models to subtract fractions with unlike denominators.
3	Estimate Fraction Sums and Differences	Makes reasonable estimates of fraction sums and differences.
4	Common Denominators and Equivalent Fractions	Determines a common denominator or a least common denominator to write equivalent fractions.
5	Add and Subtract Fractions	Uses equivalent fractions to add and subtract fractions.
6	Add and Subtract Mixed Numbers	Adds and subtracts mixed numbers with unlike denominators.
7	Subtraction with Renaming	Renames to find the difference of two mixed numbers.
8	Patterns with Fractions	Identifies and creates numeric patterns with fractions.
9	Problem Solving: Practice Addition and Subtraction	Solves problems using the strategy <i>work backward</i> .
10	Use Properties of Addition	Adds fractions and mixed numbers with unlike denominators using the properties.
11	CHAPTER 7: “Multiply Fractions.” Find Part of a Group	Uses models to make groups of a whole and then find the fractional part of the group.
12	Multiply Fractions and Whole Numbers	Uses models to solve multiplication problems that involve fractions and whole numbers and represents the product as a fraction or mixed number.
13	Fraction and Whole Number Multiplication	Solves problems that involve the multiplication of fractions with whole numbers and vice versa.
14	Multiply Fractions	Multiplies fractions using area models.
15	Compare Fraction Factors and Products	Relates the size of the product compared to the size of one factor when multiplying fractions.
16	Fraction Multiplication	Multiplies fraction that involves whole numbers and fractions using models or writing numbers as fractions with a denominator of 1.
17	Area and Mixed Numbers	Uses a model to multiply two mixed numbers and find the area of a rectangle.
18	Compare Mixed Number Factors and Products	Relates the size of the product to the factors when multiplying fractions greater than one.



19	Multiply Mixed Numbers	Multiplies mixed numbers using different strategies such as models, renaming the mixed number as fraction, renaming the whole number or using the distributive property.
20	Problem Solving: Find Unknown Lengths	Solves problems using the strategy <i>guess, check, and revise</i> .
21	CHAPTER 8: "Divide Fractions." Divide Fractions and Whole Numbers	Divides a whole number by a fraction and divides a fraction by a whole number.
22	Problem Solving: Use Multiplication	Solves problems using the strategy <i>draw a diagram</i> .
23	Connect Fractions to Division	Interprets a fraction as division and solves whole number division problems that result in a fraction or mixed number.
24	Fraction and Whole-Number Division	Divides a whole number by a fraction and vice versa by using diagrams.
25	Interpret Division with Fractions	Represents division by drawing diagrams and writing story problems and equations.
26	CHAPTER 9: "Algebra: Patterns and Graphing." Line Plot	Makes and uses line plots with fractions to solve problems.
27	Ordered Pairs	Graphs and names points on a coordinate grid using ordered pairs.
28	Graph Data	Collects and graphs data on a coordinate grid.
29	Line Graphs	Interprets and displays data in a line graph.
30	Numerical Patterns	Writes a rule to describe the pattern from the comparison or completion of two number sequences.
31	Problem Solving: Find a Rule	Solves multistep problems that involve patterns using the strategy solve a simpler problem and determine the rule of it.
32	Graph and Analyze Relationships	Graphs the relationship between two numerical patterns on a coordinate grid.
33	CHAPTER 10: "Convert Units of Measure." Customary Length	Compares, contrasts, and converts customary units of length.
34	Customary Capacity	Compares, contrasts, and converts customary units of capacity.
35	Weight	Compares, contrasts, and converts customary units of weight.
36	Multistep Measurement Problems	Converts measurement units to solve multistep problems.
	Review and academic reinforcement March 1 st to March 3 rd	
	Term evaluation March 6 th to March 10 th	