## 1st Grading Cycle

## Unit 1- Place Value: Whole Numbers \&

## Decimals ( 16 days)

- Place Value: Whole Numbers Up to Hundred Billions
- Place Value: Decimals to Hundredths
- Read, Write, Order/Compare Whole Numbers \& Decimals
- Forms: Standard, Word \& Expanded for Whole Numbers \& Decimals
- Fraction/Decimal Equivalents
- Number Lines: Whole Numbers \&

Decimals

- Review Money


## TEKS:

4.1 A,B,C,D,E,F,G
4.2 A,B,C,E,F,G,H

Unit 2- Adding \& Subtracting Whole Numbers \& Decimals: Include Perimeter,
Rounding/Estimation (19 days)

- Rounding/Estimation--utilize estimation strategies such as rounding or compatible numbers to determine reasonableness of a solution
- Add/Subtract Whole Numbers \&

Decimals to solve multi-step problems

- Add/Subtract decimals to find unknowns using strip diagrams and equations
- Equations with Variables: Al Operations
- Perimeter- Use Formula

TEKS
4.1 A,B,C,D,E,F,G
4.2D
4.4 A
4.5 A,C,D

Begin Multiplication Unit (4 days)

## 2nd Grading Cycle

Unit 3- Multiplication: Include Area (16 days)

- Multiply by Multiples of 10
- Arrays/Area Models through 15X15
- Two Digit X Two Digit-
- Up to Four Digit X One Digit
- Partial Products
- Properties of Multiplication
- Utilize estimation strategies such as rounding and compatible numbers to determine reasonableness of the solution
- Use multiplication strategies to solve multi-step problems


## TEKS

4.1 A,B,C,D,E,F,G
4.4 B,C,D,G,H
4.5 A,C,D

## Unit 4- Division (18 days)

- Divide Up to 4 Digit Dividends With One Digit Divisors: Use Arrays, Area Models, partial quotient \& Equations
- Interpret Remainders
- Utilize estimation strategies such as rounding and compatible numbers to determine reasonableness of the solution
- Use division strategies to solve multi-step problems

TEKS:
4.1 A,B,C,D,E,F,G
$4.4 \mathrm{E}, \mathrm{F}, \mathrm{G}, \mathrm{H}$
4.5 A

## Unit 5- Intro to Fractions (9 days)

- Develop conceptual understanding of the relationship between fractions (less than or equal to one) and decimals through representations and comparisons


## 3rd Grading Cycle

## Unit 5- Fractions (11 days)

- Fraction/Decimal Equivalents
- Improper Fractions/Mixed Numbers
- Addition \& Subtraction of Fractions with Like Denominators using objects and pictorial models
- Decompose Fractions: By Showing Sums of Fractions
- Solve multi-step problems involving four operations using strip diagrams and equations with variables for unknown quantities
TEKS
4.1 A,B,C,D,E,F,G
$4.2 \mathrm{G}, \mathrm{H}$
4.3 A,B,C,D,E,F,G
4.5 A


## Unit 6- Measurement: (22 days)

- Customary/Metric: Length, Weight \& Mass, Capacity (Discuss Volume)
- Area
- Conversions using proportional relationships/reasoning
- Solve problems involving measurement using the four operations
- Review Time, Money, Temperature


## TEKS:

4.1 A,B,C,D,E,F,G
$4.5 \mathrm{~A}, \mathrm{C}, \mathrm{D}$
4.8 A,B,C

Unit 7-Personal Financial Literacy (4 days will vary)

- Fixed and Variable Expenses
- Calculate Profit
- Advantages/Disadvantages of Various Saving Options
- Allocate a Weekly Allowance Among Spending, Saving (college included) \& Sharing
- Keeping Money Safe
- Borrowing/Lending


## TEKS:

4.1 A,B,C,D,E,F,G
4.10 A,B,C,D,E

## 4th Grading Cycle

## Unit 8- Data Analysis (Dot Plot, Stem \& Leaf Plots

## Frequency Tables, Charts/Patterns) 12 days

- Solve One \& Two Step Problems Using Frequency Tables, Stem \& Leaf Plots, Dot Plots, and Charts/Patterns: With Whole Numbers \& Decimals


## TEKS

4.1 A,B,C,D,E,F,G
4.5 A,B
4.9 A,B

## Unit 9- Geometry (17 days)

- Points, Lines, Line Segments, Rays, Angles, Perpendicular Lines, Parallel Lines, Intersecting Lines
- Symmetry
- Angles: Identify, Describe \& Apply (Including Using a Protractor and benchmarks for estimation)
- 2D \& 3D Shapes


## TEKS:

4.1 A,B,C,D,E,F,G
$4.6 \mathrm{~A}, \mathrm{~B}, \mathrm{C}, \mathrm{D}$
4.7 A,B,C,D,E

## Unit 10: STAAR Review (5 days)

- Retake Benchmark \& Review TEKS needed based on data



## Key Academic Vocabulary

## Unit 1

Place value, place value chart, period, digit, standard form, word form, expanded form, greater than, less than, decimal point, tenth, hundredth, equivalent decimal, number line decimal, regroup, rounding

## Unit 2

Addends, sum, fact family, subtraction, estimate, difference, number sentence, perimeter, rounding, doubles, formula

## Key Academic Vocabulary

## Unit 3

Multiplication, multiplication table, factors, product, array, area, multiple, prime number, composite number, zero property, associative property of multiplication, commutative property of multiplication, property of one for multiplication, distributive property, partial product, compatible numbers

## Unit 4

Average, compatible numbers, dividend, divisor, divisible, estimate, fact family, inverse operations, mean, number sentence, partial quotient, property of one of division, quotient, remainder, zero property of division

## Key Academic Vocabulary

## Unit 5

Fraction, numerator, denominator, equivalent fractions, mixed numbers, improper fractions, number line simplest form, unit fraction, benchmark

## Unit 6

Customary: A.M., analog clock, capacity, century, cup, customary system, day, decade, degree Fahrenheit elapsed time, foot, gallon, half gallon, hour, inch, leap year, length, mile, millennium, minute, noon, ounce, P.M pint, pound, quart, second, tablespoon, teaspoon, ton, yard, convert, perimeter, volume, area
Metric: Area, centimeter, decimeter, degree Celsius, gram, kilogram, kilometer, liter, meter, metric system, milliliter, millimeter, convert

## Unit 7

Fixed expenses, variable expenses, profit, interest, budget, financial institutions, loan, interest, cent sign, dime, dollar, nickel, penny, quarter, half dollar, savings, checking

## Key Academic Vocabulary

## Unit 8

Bar graph, data, dot plot, frequency, frequency table, stem-and-leaf plot, tally table, input-output table, patterns Unit 9
Acute angle, angle, closed figure, cone, cube, cylinder, edge, endpoint, face, hexagon, intersecting lines, line, line segment, obtuse angle, octagon, parallel lines, pentagon, perpendicular, plane, plane figure, point, polygon,
quadrilateral, ray, rectangle, rectangular prism, right angle, side, space figure, sphere, square, square pyramid, triangle, vertex, equilateral, isosceles, scalene, trapezoid, parallelogram, rhombus

