

5th Grade Math

First Quarter:

Place Value: (EL5-MA-NBT.01.00*0)

- Whole numbers through Billions
- Decimals through thousandths
- Standard, Expanded, Word form
- Compare/Order whole numbers/decimals

Add and Subtract Whole Numbers and Decimals

(EL5-MA-NBT.06.00*0 and EL5-MA-NBT.07.00*0)

- Rounding/Estimation
- Addition Properties
- Add Mentally (compensation)

Multiply Whole Numbers and Decimals

(EL5-MA-NBT.06.00*0, EL5-MA-NBT.07.00*0 and EL5-MA-OA.01.00*.0)

- Multiplication patterns powers of 10 whole numbers and decimals
- Estimation
- Multiply whole numbers (4 digit by 3 digit)
- Multiply decimals hundredths by tenths
- Introduce exponents - PEMDAS
- Multiplication properties

Second Quarter:

Dividing Whole Numbers and Decimals

(EL5-MA-NBT.06.00*0 and EL5-MA-NBT.07.00*0)

- Division patterns whole numbers & decimals
- Rounding/compatible numbers, estimation
- Dividing whole numbers
- Divide decimals (whole # by decimal, and decimal by decimal)

Fraction Concepts (EL5-MA-NF.02.00*.0 and

EL5-MA-NF.01.00*.0)

- Fraction vocab/division models
- Mixed Numbers, improper fractions
- Compare fractions and mixed numbers
- Round/estimate fractions
- Common Factors (GCF), prime factorization, equivalent fractions, & factor trees
- Divisibility Rules
- Simplest Form
- Decimals to Fractions
- Multiples (LCM)
- Compare Fractions with LCD

Third Quarter:

Add/Subtract/Multiply/Divide Fractions

(EL5-MA-NF.02.00*.0 and EL5-MA-NF.01.00*.0)

- Add/Subtract like denominators & mixed numbers with & without regrouping
- Estimate sums and differences of mixed numbers to the whole #
- Subtract mixed numbers with regrouping
- Multiply fraction by fraction, fraction by mixed number, mixed number by mixed number, mixed number by whole number
- Divide fraction by fraction (reciprocal), whole number by fraction

Algebraic Expressions (EL5-MA-OA.01.00*.0)

- Addition expressions/equations/vocab
- Evaluate (add/subt/mult/divide) expressions/equations
- Inequalities - solve add/subt
- Function Tables
- Graphing/naming ordered pairs on a coordinate grid

Fourth Quarter:

Identify/Compare/Classify Geometric Figures

- Geometry Vocab - basic terms
- Angles/measuring angles
- Triangles - identify characteristics
- Quadrilaterals - identify characteristics
- Translations, reflections, rotations, and graphs
- Identify Transformations

Measure Perimeter, Area, & Volume

(EL5-MA-G.05.00*.0)

- Perimeter of rectangles/polygons
- Estimation of Area by counting squares
- Area of Rectangles/parallelograms
- 3-D figures vocab/characteristics
- Volume of Rectangular Prisms
- Surface area

Customary Units of Measurement

- Units of Length, weight, capacity, & time
- Elapsed Time