

Welcome

By: The 6th grade Math Team.

Units by Domain

- * Ratios and Proportional Relationships
- * The Number System
- * Expressions and Equations
- * Geometry
- * Statistics and Probability

Chapter 1: Ratios and Rates- 26 Days

- * Standards Addressed:

- * 6.RP.1 6.RP.2 6.RP.3

- * Major Topics Covered:

- * Foundation of Ratios, Unit Ratio, Equivalent Ratio's, Ratio Tables, Graphing and Double Number Lines

Chapter 2: Fractions, Decimals, Percent's - 8 Days

- * Standards Addressed:

- * 6.rp.3.c

- * Major Topics Covered:

- * Decimals and Fractions, Percent's and Fractions, Compare and Order Fractions, Estimate with Percent's, and Percent of a Number

Chapter 3: Compute with Multi-Digit Numbers - 12 Days

- * Standards Addressed:

- * 6.NS.2 AND 6.NS.3

- * Major Topics Covered:

- * Add and Subtract Decimals, Estimate Products, Multiple Decimals by Wholes and by Decimals, Divide Multi Digit Numbers, Estimate Quotients Divide Decimals

Chapter 4: Multiply & Divide Fractions: 13 days

- * Standards Addressed:

- * 6.NS.1

- * Major Topics Covered:

- * Estimate products of fractions, Multiply fractions, Divide whole numbers by fractions, Divide fractions by wholes
 - * Divide fractions by fractions

Chapter 5: Integers and the Coordinate Plane - 10 days

- * Standards Addressed:

- * 6.NS.5-8

Major Topics Covered:

- * Integers, Graphing, Absolute Value, Number Lines, Coordinate Plane, Rational Numbers

Chapter 6: Expressions - 15 Days

- * Standards Addressed:

- * 6.EE.1- 6.EE.6

Major Topics Covered:

- * Powers and Exponents, Verbal and Numerical Expressions, Variables, Problem Solving, Distributive Property, Equivalent Expressions

Chapter 7: Equations - 10 Days

- * Standards Addressed

- * 6.EE5 AND 6.EE7

Major Topics Covered

- Equations, Solving and Writing One-Step Equations through inverse operations.

Chapter 8: Functions and Inequalities

12 Days

- * Standards Addressed:

- * 6.EE2, 6.EE5, 6.EE6 AND 6.EE9

- * Major Topics:

- * Function Tables, Rules and Equations, Writing and Graphing Inequalities and solving One Step Inequalities

Chapter 9: Area - 13 Days

- * Standards Addressed:

- * 6.G.1, 6.G.3, AND 6.G.8

- * Major Topics:

- * Area of quadrilaterals, trapezoids and triangles, changes in dimensions, polygons in the coordinate plane and area of irregular figures

Chapter 10: Volume & Surface Area- 7 Days

- * Standards Addressed:

- * 6.G.2 AND 6.G.4

- * Major Topics

- * Surface area of rectangular prisms , triangular prisms, and pyramids. Volume of rectangular prisms.

Chapter 11: Statistical Measures-

8 Days

- * Standards Addressed:

- * 6.SP.1, 6.SP.3. and 6.SP.5

- * Major Topics:

- * Statistical questions, mean, mode and median, measures of variation, mean absolute deviation.

Chapter 12: Statistical Displays-

11 Days

- * Standards Addressed:

- * 6.SP.2, 6.SP.4 AND 6.SP.5

- * Major Topics:

- * Line plots, Histograms, Box Plots, collecting data, interpreting line graphs and data distribution.

Assessments

1. Baseline
2. Pre- Assessments
3. Unit Assessments
4. Problems of the Week
5. Unit Projects
6. Exit Slips
7. Homework

Suggested Math Websites

Instruction

- * <http://www.learnzillion.com>
- * <https://www.khanacademy.org>
- * <https://www.adaptedmind.com>

Vocabulary Support

- * <http://www.amathsdictionaryforkids.com/>

Practice

- * <http://www.mathplayground.com/>
- * <http://www.hoodamath.com/games/fifth-grade.html>
- * <http://www.ixl.com/>
- * <http://www.math-play.com/>
- * <http://www.internet4classrooms.com/>
- * <http://math.com/>
- * <http://www.aplusmath.com/>
- * <http://www.coolmath4kids.com/>
- * <http://www.learninggamesforkids.com/>
- * <http://www.abcya.com>
- * <http://www.multiplication.com/>
- * <http://softschools.com/>
- * <http://www.multiplication.com/>
- * <http://www.funbrain.com/>
- * <https://www.adaptedmind.com>
- * <http://www.sheppardsoftware.com/>