MNJHML Meet Topics
2015-2016

Meet 1

1.1. Common Factors and Multiples *Prime vs. composite, divisibility rules, LCM and GCF*
1.2. Evaluating Expressions *Order of operations; Factorials*
1.3. Manipulating Fractions and Decimals
1.4. Understanding Ratios *Ratio language and representations*
1.5. Translating Verbal Statements *Using variables*
1.6. Area and Perimeter of 2-D Shapes
1.7. The Coordinate Plane
1.8. Measures of Central Tendency
1.9. Logic Problems
Formula applications (such as the distance formula)

Meet 2

2.1. The Number Line *Absolute value, distances and midpoints, number systems*
2.2. Understanding Exponents *Scientific Notation*
2.3. Proportions *Writing and solving, percent applications*
2.4. Proportional Scale Drawings (2-D)
2.5. Writing and Solving One-Variable Equations
2.6. Similar Figures
2.7. Data Displays *Box plots, line plots, and graphs*

Meet 3

3.1. Using Exponents *Negative exponents, exponent rules*
3.2. Writing Equivalent Expressions *Distribution, combining like terms*
3.3. Dimensional Analysis (Unit Conversion)
3.4. Solving More Complex One-Variable Equations
3.5. Solving Inequalities *Graphing solutions on a number line*
3.6. Angle Relationships

Meet 4

4.1. Sequences and Series *Evaluate expressions in sigma notation; summation*
4.2. Simplifying Radical Expressions
4.3. Proportional Scale Models (3-D)
4.4. Modeling with Linear Equations and Graphs *Slopes and intercepts, $y = mx + b$*
4.5. Parallel and Perpendicular Lines
4.6. Analyzing Scatter Plots *Line of best fit; positive, negative and zero correlation*

Meet 5

5.1. Solving Systems of Linear Equations
5.2. Operations with Polynomials *Expanding products of binomials and factoring quadratics*
5.3. The Pythagorean Theorem *Distance formula; Special right triangles; Pythagorean triples*
5.4. Surface Area and Volume of 3-D Figures
5.5. Simple Probability and the Counting Principle
5.6. Transformations in the Coordinate Plane