

**JHML – Meet Topics for 2014-15****JHML - Mapped to Prior Year Topic Sequence****Meet 1**

1.1. Common Factors and Multiples <i>Prime vs. composite, divisibility rules, LCM and GCF</i>	1.3 Prime and composite numbers 1.4 LCM and GCF
1.2. Evaluating Expressions <i>Order of operations Factorials</i>	1.7 Operations with integers and fractions 2.4 Factorials
1.3. Manipulating Fractions and Decimals	1.1 Decimal 1.2 Fractions
1.4. Understanding Ratios <i>Ratio language and representations</i>	3.4 Ratios
1.5. Translating Verbal Statements <i>Using variables</i>	1.8 Converting written statements to algebraic statements
1.6. Area and Perimeter of 2-D Shapes	3.3 Perimeter of polygons, circles, sectors
1.7. The Coordinate Plane	New topic - Plotting points on a coordinate plane
1.8. Measures of Central Tendency	5.3 Statistics (mean, median, mode, range)
1.9. Logic Problems <i>Formula applications (such as the distance formula)</i>	3.1 Logic problems 3.2 Distance equals rate times time

**Meet 2**

2.1. The Number Line <i>Absolute value, distances and midpoints, number systems</i>	2.1 Absolute value 2.5 Midpoint and other distances on a number line
2.2. Understanding Exponents <i>Scientific Notation</i>	2.2 Exponents 2.3 Scientific notation
2.3. Proportions <i>Writing and solving, percent applications</i>	3.4 Ratios and proportions 3.5 Percent applications
2.4. Proportional Scale Drawings (2-D)	3.4 Proportions involving two-dimensional drawings
2.5. Writing and Solving One-Variable Equations	2.7 Solving linear equations 3.6 Creating linear equations
2.6. Similar Figures	4.3 Similar figures with applications of similarity
2.7. Data Displays <i>Box plots, line plots, and graphs</i>	5.5 Stem and leaf plots 5.8 Box and whisker plots

**JHML – Meet Topics for 2014-15****JHML - Mapped to Prior Year Topic Sequence****Meet 3**

3.1. Using Exponents <i>Negative exponents, exponent rules</i>	2.2 Exponents 2.3 Scientific notation
3.2. Writing Equivalent Expressions <i>Distribution, combining like terms</i>	2.7 Solving linear equations 3.6 Creating linear equations 3.7 Writing linear equations in many forms
3.3. Dimensional Analysis (Unit Conversion)	1.5 Metric System 1.6 Standard System
3.4. Solving More Complex One-Variable Equations	2.7 Solving linear equations
3.5. Solving Inequalities <i>Graphing solutions on a number line</i>	4.1 Solving inequalities 4.2 Graphing inequalities on a number line
3.6. Angle Relationships	New topic - complementary, supplementary, transversals

**Meet 4**

4.1. Sequences and Series <i>Evaluate expressions in sigma notation; summation</i>	2.6 Sequences 5.9 Summation
4.2. Simplifying Radical Expressions	4.4 Square roots, simplifying radicals
4.3. Proportional Scale Models (3-D)	3.4 Proportions involving three-dimensional drawings
4.4. Modeling with Linear Equations and Graphs <i>Slopes and intercepts, <math>y = mx + b</math></i>	4.7 Graphs of linear equations 4.8 Slopes and intercepts of linear equations
4.5. Parallel and Perpendicular Lines	4.7 Graphs of linear equations 4.8 Slopes and intercepts of linear equations 5.10 Complex linear equations
4.6. Analyzing Scatter Plots <i>Line of best fit; positive, negative and zero correlation</i>	4.7 Graphs of linear equations 4.8 Slopes and intercepts of linear equations

**JHML – Meet Topics for 2014-15****JHML - Mapped to Prior Year Topic Sequence****Meet 5**

5.1. Solving Systems of Linear Equations	5.4 Systems of linear equations
5.2. Operations with Polynomials <i>Expanding products of binomials and factoring quadratics</i>	5.1 Operations with polynomials
5.3. The Pythagorean Theorem <i>Distance formula</i> <i>Special right triangles</i> <i>Pythagorean triples</i>	4.5 Pythagorean Theorem
5.4. Surface Area and Volume of 3-D Figures	4.6 Surface area of prisms, pyramids, and cylinders 5.6 Volumes of prisms 5.7 Volumes of pyramids, cones, cylinders, spheres
5.5. Simple Probability and the Counting Principle	5.2 Probability
5.6. Transformations in the Coordinate Plane	New topic - translation, reflection, rotation, transformation

## **JHML – Meet Topics for 2013-14 & Earlier**

- Meet 1 Fractions and decimal  
Prime and composite numbers, LCM, LCD, GCF  
Divisibility Rules (2,3,4,5,6,8,9,10)  
Metric system, English system  
Operations with integers and fractional numbers  
Converting written statements to algebraic statements
- Meet 2 Absolute value  
Exponents, Scientific Notation  
Factorials  
Midpoint and other distances on a number line  
Sequences  
Solving linear equations
- Meet 3 Logic problems  
Distance equals rate times time problems  
Perimeter of polygons, circles, sectors  
Ratios and proportions  
Percent applications  
Creating linear equations  
Writing linear equations in many forms
- Meet 4 Solving inequalities, graphing inequalities on a number line  
Similar figures with applications of similarity  
Pythagorean Theorem  
Square roots, simplifying radicals  
Surface area of prisms, pyramids, and cylinders  
Graphs of linear equations  
Slopes and intercepts of lines
- Meet 5 Operations with polynomials (+ - x /)  
Probability and Statistics (Mean, median, mode)  
Systems of linear equations  
Stem and leaf plots  
Box and Whisker Plots  
Volume of prisms, pyramids, cones, cylinders, spheres