

**Week 1: 8/25-8/28**

**Math 3 students will do the same work as Algebra this week.**

**Algebra/Math 3:**

**T.** Materials/Procedures/Internet Lesson/Diagnostic

Homework: Practice Diagnostic Quiz/ AGMath.com Worksheet.

**W.** Seating Assigned. Diagnostic Quiz.

Homework: none.

**Th.** Order of Operations.

Homework: Use four 5s to create expressions which equal the integers 1-20.

**F.** Order of Operations. 24 Game.

Homework: worksheet.

**Geometry:**

**T.** Materials/Procedures/Internet Lesson/Diagnostic

Homework: Practice Diagnostic Quiz.

**W.** Seating assigned. Diagnostic Quiz.

Homework: None.

**Th.** Geometry basics: Lines, points, planes. Midpoint Algebra.

Homework: p. 37 #1-8 (probably copied, textbooks will be given out Friday).

**F.** Angle Basics.

Homework: p. 51-52 #11-21 and 26-31.



## **Week 2**

### **Algebra/Math 3 (4<sup>th</sup>, 5<sup>th</sup>, & 7<sup>th</sup> period have the same plans this week):**

**M.** Integers

Homework: p. 7 #1-16 and p. 9 #1-16 in workbook.

**T.** Matrix operations.

Homework: worksheet.

**W.** Combining Like Terms.

Homework: p. 23 in workbook #1-20

**Th.** Multiplying variables and exponents.

Homework: p. 99 in workbook #1-21

**F.** Half-Quiz.

Homework: none.

Retake work for last week's quiz:

none (no quiz last week)

### **Geometry (2<sup>nd</sup> & 3<sup>rd</sup> period):**

**M.** Visual Thinking.

Homework: worksheet.

**T.** Polygon Basics.

Homework: p. 57-58 #17-22 and #28-34.

**W.** Triangles and Quadrilaterals.

Homework: p. 64-65 #2-24

**Th.** Review of Polygons, Triangles, Quadrilaterals.

Homework: Practice Quiz.

**F.** Quiz.

Homework: none.

Retake work for last week's quiz:

none (no quiz last week)

### **Week 3 Sept 8-11**

#### **Algebra:**

**T.** Return quizzes. Negative exponents. Dividing Monomials (variables and exponents).

Homework: worksheet.

**W.** More Multiplying and Dividing with Exponents Review.

Homework: finish worksheet.

**Th.** Quiz Review.

Homework: Practice Quiz.

**F.** Quiz: Integers & order of operations, combining like terms, multiplying and dividing variables and exponents (monomials).

Homework: none.

Retake work for last week's quiz:

no retakes on half-quiz.

#### **Math 3:**

**T.** Quizzes returned. Review of Like Terms and Exponents.

Homework: worksheet

**W.** The Distributive Property

Homework: p.13 #1-15

**Th.** Quiz Review.

Homework: Practice Quiz.

**F.** Quiz: Integers & order of operations, combining like terms, like terms and exponents, the distributive property.

Homework: none.

Retake work for last week's quiz:

no retakes on half-quiz.

#### **Geometry:**

**T.** Return quizzes. Circles: arcs, semicircles, chords, diameters, tangents.

Homework: p. 70-71 #1-11, 13-20. See p. 11 for #16.

**W.** The importance of sketching your work.

Homework: p. 76-78 #2-6, #10-18.

**Th.** 3d Geometry, full review for Friday's quiz.

Homework: Practice Test.

**F.** Test: Chapter 1. Lines, rays, segments, angles, triangles, quadrilaterals, circles, 3d figures and visual thinking.

Homework: none

Retake work for last week's quiz:

Worksheet.

## **Week 4 (9/14 - 9/18)**

### **Algebra:**

**M.** Using the Distributive Property.

Homework: p. 14 in workbook #1-30 show problems and answers.

**T.** Distributing Division.

Homework: worksheet.

**W.** Factoring as reverse distribution.

Homework: worksheet.

**Th.** Review: Distribution and Factoring.

Homework: worksheet.

**F.** Half-Quiz: Distribution and Factoring

Homework: none.

Retake work for last week's quiz:

In textbook p. 13 #60-63, p. 407 #13-21 and p. 420 #5-12.

### **Math 3:**

**M.** Operations with Rational Numbers: Adding and Subtracting fractions.

Homework: worksheet.

**T.** Multiplying and dividing fractions.

Homework: worksheet.

**W.** Distribution with fractions.

Homework: worksheet.

**Th.** Review: Fractions, Like Terms, Exponents and Distribution.

Homework: Practice Test.

**F.** Test: Fractions, Like Terms, Exponents and Distribution.

Homework: none.

Retake work for last week's quiz:

In textbook p.50 # 27-42, 80-83. and p. 407 #10-15.

### **Geometry:**

**M.** Return tests. Inductive reasoning. Recognizing patterns and sequences.

Homework: p. 97 #1-13, p. 99 #1-8 (try to get at least 4 of these).

**T.** Deductive Reasoning. Logic and informal proofs.

Homework: p. 103-104, #1-9.

**W.** Defining Patterns. Finding the nth term.

Homework: p. 109-110 #1-9.

**Th.** Quiz Review. Patterns, induction, and deduction.

Homework: Practice quiz.

**F.** Quiz.

Homework: none

Retake work for last week's test:

Worksheet

## Week 5 (9/21 - 9/25)

### Algebra:

**M.** Writing Expressions and Equations.

Homework: worksheet.

**T.** More Writing Expressions.

Homework: p. 2 in workbook #1-22.

**W.** Half-Day for students. 5<sup>th</sup> periods meets, 7<sup>th</sup> does not. Review for 5<sup>th</sup>.

Homework: none.

**Th.** Test Review.

Homework: Practice Test.

**F.** Test: Unit 1. Integers & order of operations, writing expressions and equations, combining like terms, multiplying and dividing variables and exponents (monomials), using the distributive property, factoring. **Interims distributed.**

Homework: none.

Retake work for last week's test:

None for  $\frac{1}{2}$  quiz.

### Math 3:

**M.** Writing Expressions and Equations.

Homework: p. 2 in workbook #1-22.

**T.** Writing and Solving 1-Step Equations.

Homework: p. 20 #1-26

**W.** Writing and Solving 2-Step Equations.

Homework: p. 22 # 1-20.

**Th.** Solving Equations with the Variable on Both Sides.

Homework: p. 26 #1-18.

**F.** Half-Quiz. **Interims distributed.**

Homework: none.

Retake work for last week's test:

Workbook p.8 #10-15, p.14 #34-45,

### Geometry:

**M.** Return quizzes. More Bowling Pin Patterns.

Homework: worksheet.

**T.** More Functions.

Homework: worksheet.

**W.** Half-Day. Geometry does not meet.

Homework: none.

**Th.** Functions review and handshake problems.

Homework: p. 115 #1-10

**F.** Review and Half-quiz. **Interims distributed.**

Homework: none

Retake work for last week's quiz:

p. 138-139 #4-19

## **Week 6 (9/29-10/2)**

### **Algebra:**

**T.** Return tests. Lesson: Writing and Solving 1 and 2-step equations.

Homework: p. 22 in workbook #1-26, showing problems and work

**W.** Solving Equations with the variable on both sides.

Homework: p. 26 in workbook #1-30 showing problems and work.

**Th.** Solving Equations and Formulas.

Homework: p. 30 #1-12 & 25-32 & 39-46.

**F.** Review and Half Quiz.

Homework: none.

Retake work for last week:

Worksheet

### **Math 3:**

**T.** Square Roots, square roots in equations.

Homework: worksheet.

**W.** Removing Fractions and Decimals.

Homework: worksheet.

**Th.** Solving Equations: Quiz Review.

Homework: Practice Quiz.

**F.** Quiz.

Homework: none.

Retake work for last week:

None for half-quiz.

### **Geometry:**

**T.** Basic angle relationships.

Homework: p. 122-125 #1-11, review problems #21-26.

**W.** Parallel Lines and Transversals.

Homework: p. 129-131, #1-7.

**Th.** Review for Friday's Test.

Homework: Practice Test.

**F.** Test: Reasoning (Ch. 2). Angle diagrams and pattern relationships.

Homework: none.

Retake work for last week:

None for half-quiz.

## **Week 7 10/5-10/9**

### **Algebra:**

**M.** Solving Equations and Formulas.

Homework: p. 30 #1-12 & 25-32 & 39-46.

**T.** Lesson: Solving Proportions.

Homework: worksheet.

**W.** Solving Square Root Equations

Homework: worksheet.

**Th.** Solving Absolute Value Equations.

Homework: worksheet.

**F.** Review and Half-Quiz.

Homework: none.

Retake work for last week's quiz:

none for half-quiz

### **Math III:**

**M.** Lesson: Solving and Graphing Inequalities.

Homework: worksheet.

**T.** Solving Proportions.

Homework: worksheet.

**W.** Solving Formulas.

Homework: worksheet.

**Th.** Review for Test: Solving Equations and Simple Inequalities.

Homework: Practice Test.

**F.** Test: Solving Equations and Inequalities.

Homework: none.

Retake work for last week's quiz:

p. 126 (text)#21-39

### **Geometry:**

**M.** Constructions: Duplicating Lines and Angles.

Homework: p. 145 #1-8, 10.

**T.** Constructions: Perpendicular Bisectors.

Homework: p. 149-150, #1-5, 7-12.

**W.** Constructions: Perpendicular Lines and Angle Bisectors.

Homework: p. 154 #1-5 and p. 158-159 #1-9.

**Th.** Parallel Lines.

Homework: p. 162 #1-6, review #11.

**F.** Review and Half-Quiz.

Homework: none.

Retake work for last week's test:

p. 138-139 (text) #4-23.

## **Week 8 10/13-10/17**

### **Algebra:**

**M.** Solving and Graphing Inequalities.

Homework: p. 40 #1-23.

**T.** Solving and Graphing Compound Inequalities.

Homework: p. 42 #1-18.

**W.** Solving Absolute Value Inequalities.

Homework: p. 44 # 9-20.

**Th.** Review: Equations and Inequalities.

Homework: Practice Quiz.

**F.** Quiz.

Homework: none.

Retake work for last week's quiz:

none for half quiz.

### **Math III:**

**M.** Proportional Reasoning.

Homework: worksheet.

**T.** Similar Figures.

Homework: p. 48 #1-14.

**W.** Maps and scale.

Homework: worksheet.

**Th.** Review.

Homework: Practice Quiz.

**F.** Quiz.

Homework: none.

Retake work for last week:

worksheet.

### **Geometry:**

**M.** Parallel Lines.

Homework: p. 162 #1-6, 11.

**T.** The Centroid.

Homework: Centroid of a quadrilateral construction.

**W.** The Orthocenter (plus review of Incenter, Centroid, Circumcenter, and the Euler Line)

Homework: 9-point Circle construction.

**Th.** Additional Constructions.

Homework: Practice Quiz.

**F.** Quiz.

Homework: none

Retake work for last week:

p. 169 #1-10

## **Week 9 10/19-10/23**

### **Algebra:**

**M.** Solving Word Problems: geometry related word problems.

Homework: worksheet.

**T.** Solving more difficult word problems: number word problems.

Homework: worksheet.

**W. TBA: Half-Day.** (Hopefully Solving Inequality and Absolute Value word problems.)

Homework: worksheet.

**Th.** Test Review.

Homework: Practice Test.

**F.** Test.

Homework: none.

Retake work for last week's quiz:

Textbook p. 128 #1-10, p. 178 #11-28.

### **Algebraic Thinking:**

**M.** The coordinate plane.

Homework: Coordinate design worksheet.

**T.** Dilations on the plane.

Homework: worksheet.

**W.** Conversions: Fractions, Decimals, and Percents.

Homework: worksheet.

**Th.** Proportions and Percents.

Homework: Worksheet.

**F.** Half-Quiz: Proportions.

Homework: none.

Retake work for last week's quiz:

Textbook p. 193 #9-16 and p. 195 #3-10

### **Geometry:**

**M.** Tessellations.

Homework: Tessellate (using construction tools) a single sheet of paper with one of the eight semi-regular tessellations. More explanation in class.

**T.** Inradius and Circumradius of right triangles.

Homework: worksheet.

**W.** TBA: Half-Day. (I am not sure of the schedule)

Homework: TBA.

**Th.** Test Review.

Homework: Practice Test.

**F.** Test.

Homework: none.

Retake work for last week's test:

p. 169 #1-10.

**Week 10 (Last week in 1st quarter: 10/26-10/29)**

**Algebra:**

**M.** Finding Percents.

Homework: p. 50 #1-23.

**T.** Percent Change.

Homework: p. 52 #1-27.

**W.** Percent Shortcuts.

Homework: worksheet.

**Th.** Substitute will administer half-quiz.

Homework: none.

Retake work for last week's test:

p. 108-109 #11-19

p. 177 #44-49, 59-64.

**RETAKE WEDNESDAY**

**Math III:**

**M.** Percent Change.

Homework: p. 52 #13-27.

**T.** Percent Shortcuts.

Homework: worksheet.

**W.** Review activity.

Homework: Practice Quiz.

**Th.** Substitute will administer quiz.

Homework: none.

Retake work for last week's test:

none for ½ quiz.

**Geometry:**

**M.** Intro to Triangle Congruencies. Terms and definitions.

Homework: p. 216-218 #1-23

**T.** Using the Congruence Shortcuts.

Homework: p. 227-228. #1-15.

**W.** Proofs using corresponding parts of congruent triangles.

Homework: Practice Proofs Half-Quiz.

**Th.** Substitute will administer Half-Quiz.

Homework: none

Retake work for last week's test:

p. 192 #11-32

**RETAKE WEDNESDAY**