

## **Middle School Math 2018 Summer Homework**

Math summer homework will be on the Moby Max website, [www.mobymax.com](http://www.mobymax.com)

Students entering 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> grade should use their username and password from last year (the 2017-2018 school year).

- Summer HW is due before 8/5/18
- Complete 60 minutes of practice each week of summer vacation (That is roughly 20 minutes three times per week)
- Work must be completed during the date range of June 4 – August 5.
- The scores of the skills completed will be averaged and will count as an extra credit grade.
- Please note that recommended skills are from the section/grade that was just completed. For example, a student entering 7<sup>th</sup> grade, who just completed 6<sup>th</sup> grade, will work on skills from the 6<sup>th</sup> grade section. Students may work ahead to the next level.
- Students should not use calculators since the purpose of this homework is to practice the skills, and calculators will not be allowed at school.
- Students are welcomed (and encouraged) to practice any other math skills not listed.

### **Students entering 6<sup>th</sup> grade**

#### **Recommended Skill Practice**

(From Fifth Grade Section)

Add and subtract decimal numbers  
Division with decimal quotients  
Convert between improper fractions and mixed numbers  
Add and subtract mixed numbers: word problems  
Add, subtract, multiply, and divide whole numbers  
Add, subtract, multiply, and divide decimals  
Add, subtract, multiply, and divide fractions and mixed numbers  
Calculate mean, median, mode, and range  
Elapsed time  
Choose the appropriate metric unit of measure

## **Middle School Math 2018 Summer Homework (continued)**

### **Students entering 7<sup>th</sup> grade**

#### **Recommended Skill Practice**

(From Sixth Grade Section)

- Division with decimal quotients
- Add, subtract, multiply, or divide two decimals
- Add, subtract, multiply, or divide two fractions
- Add, subtract, multiply, or divide two fractions: word problems
- Add, subtract, multiply, or divide two integers
- Convert between percents, fractions, and decimals
- Percents of numbers and money amounts
- Solve one-step equations with whole numbers
- Area of rectangles and squares
- Calculate mean, median, mode, and range

### **Students entering Algebra 1 Honors**

#### **Recommended Skill Practice**

(From Eighth Grade Section)

- Add and subtract integers
- Evaluate numerical expressions involving rational numbers
- Understanding negative exponents
- Multiplication with exponents
- Division with exponents
- Multiply using the Distributive Property
- Solve two-step equations
- Solve equations with variables on both sides
- Graph solutions to one-step inequalities
- \*\*Find the slope from two points-**can omit this one**

### **Students entering 8<sup>th</sup> grade (NOT entering Algebra I Honors)**

#### **Recommended Skill Practice**

(From Seventh Grade Section)

- Add and subtract integers
- Add, subtract, multiply, and divide fractions and mixed numbers: word problems
- Add and subtract rational numbers
- Multiply and divide rational numbers
- Convert between percents, fractions, and decimals
- Solve two-step equations
- Identify complementary, supplementary, vertical, adjacent, and congruent angles
- Find measures of complementary, supplementary, vertical, and adjacent angles
- Circles: Calculate area, circumference, radius, and diameter
- Calculate mean, median, mode, and range