

My Summer Assignment – MATH 2018 – HRS

Dear Rising 7th Graders,

Below is your summer Math work. There are two sets of skills. The first you are expected to master over the summer. The second will assist you if you are struggling with the first. You are not required to master the 2nd set of skills, but if you need help, please use them.

Note: You will be using the **7th grade section** of IXL. Do not use a calculator.

Skill Set #1: Mastery Required (Smart Score of 100)

- **Numbers:**
 - 7.A.2 Prime factorization
 - 7.A.3 Multiplicative inverses
 - 7.A.4 Divisibility rules
 - 7.A.5 Greatest common factor
 - 7.A.6 Least common multiple
 - 7.A.7 GCF and LCM: word problems
- **Decimal Numbers:**
 - 7.D.4 Round decimals
 - 7.E.1 Add and subtract decimals
 - 7.E.3 Multiply decimals
 - 7.E.5 Divide decimals
- **Integers**
 - 7.B.3 Graph integers on horizontal and vertical number lines
 - 7.B.5 Compare and order integers
 - 7.C.3 Add and subtract integers
 - 7.C.7 Multiply and divide integers
- **Fractions:**
 - 7.F.2 Equivalent fractions
 - 7.F.3 Write fractions in lowest terms
 - 7.F.5 Least common denominator
 - 7.F.6 Compare and order fractions
 - 7.F.8 Convert between mixed numbers and improper fractions
- **Rational Numbers:**
 - 7.H.1 Convert between decimals and fractions or mixed numbers
 - 7.H.6 Add and subtract rational numbers
 - 7.H.8 Multiply and divide rational numbers
 - 7.H.9 Apply multiplication and division rules
- **Percents**
 - 7.L.2 Convert between percents, fractions, and decimals
- **Money**
 - 7.M.1 Add, subtract, multiply, and divide money amounts: word problems
- **Expressions & Equations**
 - 7.R.2 Write variable expressions: word problems
 - 7.R.3 Evaluate linear expressions
 - 7.S.3 Model and solve equations using algebra tiles
 - 7.S.4 Write and solve equations that represent diagrams
- **Perimeter & Area**
 - 7.AA.1 Perimeter
 - 7.AA.2 Area of rectangles and parallelograms

Skill Set #2: Assistance Skills (For Extra help or Practice only)

- **Numbers:**
 - 7.A.1 Prime or composite
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- **Decimal Numbers:**
 - 7.D.1 Decimal numbers review
 - 7.D.2 Compare and order decimals
 - 7.D.3 Decimal number lines

- **Integers:**
 - 7.B.1 Understanding integers
 - 7.B.2 Integers on number lines
 - 7.B.4 Absolute value and opposite integers
 - 7.C.1 Integer addition and subtraction rules
 - 7.C.6 Integer multiplication and division rules

- **Fractions:**
 - 7.F.1_Understanding fractions: word problems

- **Expressions & Equations:**
 - 7.R.1_Write variable expressions
 - 7.S.1_Which x satisfies an equation?

- **Coordinate Plane**
 - 7.P.1_Coordinate plane review
 - 7.P.2_Quadrants and axes

You should be ready to take an assessment the first week of school that will show your mastery of the skills above.

Enjoy your summer and see you in August!

The Middle School Math Team

Please turn in on the first day of school.

Parent Signature to verify that all the above work has been completed. Please check IXL:

_____ Date: _____