

## Middle School Math 2018 Summer Homework

IXL Website- <http://www.ixl.com/>

Due Date: Thursday, August 13, 2020.

Username and Password is the same as the 2019-2020 school year.

Example:

Username: firstlast408 (for example, erinspence408)

Password: whatever password you had last year

**\*\* Contact the Tech Department at [Tech@st-cecelia.org](mailto:Tech@st-cecelia.org) if you have trouble logging into your account\*\***

- Complete all skills listed for the grade you are entering. Please note if the course is On Level or Honors. If there is any question regarding the course, please contact Mrs. Ferraro at [jferraro@st-cecelia.org](mailto:jferraro@st-cecelia.org).

- Each IXL skill listed, must have a score of at least 90%. A score of 90% will be entered as 100%, but true scores will be recorded below 90%. (90=100, 89=89, 88=88, etc.)

- Work must be completed during the date range of **May 26 – August 13**. Therefore, **if a particular skill was already completed prior to this date range, the skill must be re-done or the score at least increased during this date range.**

- Scores will be averaged and will count as a Formative grade. Plus, there will be a quiz on the skills given during the 1st week of school.

***- There is a chance that the IXL company might change the letter names for the skills over the summer. This has happened in the past. Please check the names of the skills to make sure you are doing the correct assignment. Please do not go by the letter names.***

- Students should not use calculators since the purpose of this homework is to practice the skills, and calculators will not be allowed on the assessment at school.

- Students are welcomed (and encouraged) to practice any other math skills not listed.

## Entering 6<sup>th</sup> Grade

### On Level Math

*IXL from Fifth Grade Section*

- H.3** Add and subtract decimal numbers
- J.3** Division with decimal quotients
- K.6** Convert between improper fractions and mixed numbers
- L.20** Add and subtract mixed numbers: word problems
- O.1** Add, subtract, multiply, and divide whole numbers
- O.7** Add, subtract, multiply, and divide decimals
- O.9** Add, subtract, multiply, and divide fractions and mixed numbers
- X.2** Find the mean
- Y.4** Elapsed time
- Z.12** Choose the appropriate metric unit of measure

### Honors Math

*IXL from Sixth Grade Section*

- H.7** Division with decimal quotients
- M.6** Compare Integers
- O.4** Add, subtract, multiply, or divide two decimals
- O.7** Add, subtract, multiply, or divide two fractions
- O.8** Add, subtract, multiply, or divide two fractions: word problems
- O.10** Add, subtract, multiply, or divide two integers
- P. New!** Rational Numbers on Number Lines
- P.1** Compare rational numbers
- P.3** Put rational numbers in order
- Q.2** Multi-step word problems
- Q.3** Guess and check word problems
- S.2** Convert between percents, fractions, and decimals
- FF.2** Area of rectangles and squares
- HH.2** Calculate mean, median, mode, and range

## Entering 7th grade

### On Level Math

*IXL from Sixth Grade Section*

- H.7 Division with decimal quotients
- O.4 Add, subtract, multiply, or divide two decimals
- O.7 Add, subtract, multiply, or divide two fractions
- O.8 Add, subtract, multiply, or divide two fractions: word problems
- O.10 Add, subtract, multiply, or divide two integers
- S.2 Convert between percents, fractions, and decimals
- S.5 Percents of numbers and money amounts
- Z.6 Solve one-step equations with whole numbers
- FF.2 Area of rectangles and squares
- HH.2 Calculate mean, median, mode, and range

### Honors Math

*IXL from Seventh Grade Section*

- C.9 Add and subtract integers
- C.19 Add, subtract, multiply, or divide two integers
- E.5 Divide decimals
- E.11 Evaluate numerical expressions involving decimals
- G.18 Evaluate numerical expressions involving fractions
- H.7 Put rational numbers in order
- H.8 Add and subtract positive and negative decimals
- H.9 Add and subtract positive and negative fractions
- J.12 Solve proportions: word problems
- L.2 Convert between percents, fractions, and decimals
- M.12 Simple interest
- P.3 Follow directions on a coordinate plane
- P.4 Distance between two points
- S.6 Solve two-step equations
- T.7 Graph solutions to two-step inequalities

## Entering 8th grade

### On Level Math

*IXL from Seventh Grade Section*

**C.9** Add and subtract integers

**G.16** Add, subtract, multiply, and divide fractions and mixed numbers: word problems

**H.10** Add and subtract rational numbers

**H.15** Multiply and divide rational numbers

**L.2** Convert between percents, fractions, and decimals

**S.6** Solve two-step equations

**W.16** Identify complementary, supplementary, vertical, adjacent, and congruent angles

**W.17** Find measures of complementary, supplementary, vertical, and adjacent angles

**AA.5** Circles: Calculate area

**New AA.** Circumference

**CC.1** Calculate mean, median, mode, and range

### Entering Algebra 1 Honors

*IXL from Eighth Grade Section*

**E.9** Evaluate numerical expressions involving rational numbers

**V.7** Evaluate absolute value expressions

**V.13** Multiply using the Distributive Property

**V.15** Add and Subtract Like Terms

**V.16** Add and Subtract Linear Expressions

**V.17** Factors of Linear Expressions

**W.11** Solve equations with variables on both sides

**W.12** Solve equations: mixed review

**W. 14** Solve equations: word problems

**W.16** Create equations with no solution or infinitely many solutions

**X.9** Graph solutions to multi-step inequalities

**Z.9** Complete a table and graph a linear function

**Z.19** Evaluate a nonlinear function

**AA.2** Solve a system of equations by graphing

**AA.8** Solve a system of equations using substitution

**AA.10** Solve a system of equations using elimination

**BB.4** Add and Subtract Polynomials

**BB.6** Multiply Monomials

**BB.7** Divide Monomials