Middle School Math 2018 Summer Homework

Math summer homework will be on the math IXL website, http://www.ixl.com/.

Students entering 6th, 7th, and 8th grade should use their username and password from this past year (the 2017-2018 school year).

- These are due the first day of school, Thursday, August 9, 2018.

- Complete the 10 skills listed for your grade.

- Score at least 90% on each skill. 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 8. 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.

- The scores of the 10 IXL skills will be averaged and will count as a Formative Assessment grade.

- There will also be a Formative Assessment given during the 2nd week of school on the 10 skills.

- Please note that homework is assigned from the section/grade that was just completed. For example, a student entering 7th grade, who just completed 6th grade, will work on IXL from the 6th grade section.

- 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 actual names of the skills to make sure you are doing the correct skills, and do not just 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 formative assessments at school.

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

As a reminder:

Username: firstlast408 (for example, erinspence408)

Password: whatever password you had last year

Contact the Tech Department at Tech@st-cecelia.org if you have trouble with your username or password.

Students entering 6th grade

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.5 Add, subtract, multiply, and divide decimals

O.7 Add, subtract, multiply, and divide fractions and mixed numbers

X.1 Calculate mean, median, mode, and range

Y.4 Elapsed time

Z.7 Choose the appropriate metric unit of measure

Students entering 7th grade

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.1 Convert between percents, fractions, and decimals

S.4 Percents of numbers and money amounts

Z.6 Solve one-step equations with whole numbers

FF.2 Area of rectangles and squares

HH.1 Calculate mean, median, mode, and range

Students entering Algebra 1 Honors

IXL (From Eighth Grade Section)

C.3 Add and subtract integers

E.9 Evaluate numerical expressions involving rational numbers

F.6 Understanding negative exponents

F.8 Multiplication with exponents

F.9 Division with exponents

V.12 Multiply using the Distributive Property

W.7 Solve two-step equations

W.10 Solve equations with variables on both sides

X.5 Graph solutions to one-step inequalities

Y.2 Find the slope from two points

Students entering 8th grade (NOT entering Algebra I Honors)

IXL (From Seventh Grade Section)

C.3 Add and subtract integers

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

H.6 Add and subtract rational numbers

H.8 Multiply and divide rational numbers

L.2 Convert between percents, fractions, and decimals

S.6 Solve two-step equations

W.12 Identify complementary, supplementary, vertical, adjacent, and congruent angles

W.13 Find measures of complementary, supplementary, vertical, and adjacent angles

AA.5 Circles: Calculate area, circumference, radius, and diameter

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