ANNUNCIATION CATHOLIC SCHOOL
Summer Math IXL 2022-2023

For Grades K-6, students will work in the grade they **are entering** for the 2022-2023 school year.
For Grades 7-8, students will also work in the grade they **are entering** for the 2022-2023 school year. But, work in either "Standard" or "Accelerated" depending on where you were previously.
NEW 7th Grade Students: If you are new to the ACS family, please complete the *standard* strands for the class you **are entering** for the 2022-2023 school year.

Students need to master each skill, also known as a strand, which means a score of 100%. Students will be evaluated on the strands they practiced upon returning to school.

For additional assistance, please check the "Resource Documents" on your *Family Portal* for an IXL tutorial.

In June, New students & Kindergarten students will receive their username and password to access the www.ixl.com account via the parent email on file in our school records. If you have not received this information by June 21, please contact the school office. **Please look for an email from IXL.**

*IXL routinely updates its strands, which changes the numbering of the strand. Please **double-check the assigned description before you begin the work**. For example, one year our 5th-grade strand was "A.7 Rounding", but it changed to "A.8 Rounding" at the publishing of the information to our parents. We do our best to check, but things may switch between editing and publishing.*

Summer Math assignments are as follows:

KINDERGARTEN
C.1 Identify numbers - up to 10

C.2 Learn to count to 10

C.3 Count pictures - up to 10

C.4 Count dots - up to 10

C.5 Count shapes in rows - up to 10

C.6 Count scattered shapes - up to 10

C.7 Count shapes in rings - up to 10

C.8 Count blocks - up to 10

C.9 Count using stickers - up to 10

C.10 Count cubes - up to 10

C.11 Show numbers with cubes - up to 10

C.12 Count on ten frames - up to 10

C.13 Show numbers on ten frames - up to 10

C.14 Represent numbers - up to 10

C.15 One more with pictures - up to 10

FIRST GRADE
A1 Counting review – up to 10
A2 Count to fill a ten frame
B2 Add with Pictures
F2 Subtract with Pictures
L1 Comparing – review
L2 Compare Numbers to 10 using words
O1 Left, middle, and right
O2 Top, middle, and bottom
O4 Above and below
O5 Beside and next to

SECOND GRADE

A.5 Skip-counting by twos, fives, and tens

E.15 Addition word problems - sums to 20

F.11 Subtraction word problems - up to 18

L.1 Add and subtract numbers up to 20

M.1 Place value models - tens and ones

THIRD GRADE

B.1 Place value models up to thousands

B.2 Place value names up to thousands

C.1 Add two numbers up to three digits

C.3 Add two numbers up to three digits: word problems

D.1 Subtract numbers up to three digits

D.3 Subtract numbers up to three digits: word problems

FOURTH GRADE

A.2 Convert between standard and expanded form
A.3 Value of a digit
A.6 Identify place value names
A. 20 Rounding: Up to hundreds and thousands
C.3 Subtract up to 7 digits
D.4 Multiplication facts to 12
E.3 Division Facts to 12
F.1 Add, subtract, multiply, and divide
F.5 Addition, subtraction, multiplication, and division word problems

FIFTH GRADE

A.8 Rounding

C.14 Multiply by 2-digit numbers by 2-digit numbers

D.3 Divide multi-digit numbers by 1-digit numbers

D.16 Divide 4-digit numbers by 2-digit numbers

G.5 Place values in decimal numbers

K.1 Fraction Review

P.3 Multi-step Word Problems

SIXTH GRADE

F.6 Round decimals
F.8 Decimal number lines
G.2 Add and subtract decimals: word problems
H.2 Multiply decimals
H.5 Divide decimals by whole numbers: word problems
H.8 Division with decimal quotients (did you cover this in 5th?)
H.6 Multiply and divide decimals by powers of ten
I.11 Convert between decimals and fractions
I.12 Convert between decimals and mixed numbers

SEVENTH GRADE STANDARD MATH
E.2 Add and subtract decimals: word problems
E.4 Multiply decimals and whole numbers: word problems
E.6 Divide decimals by whole numbers: word problems
E.8 Add, subtract, multiply and divide decimals: word problems
G.2 Add and subtract fractions: word problems
G.4 Add and subtract mixed numbers: word problems
G.14 Divide fractions and mixed numbers: word problems
G.16 Add, subtract, multiply and divide fractions and mixed numbers: word problems

SEVENTH GRADE ACCELERATED MATH
C.4 Add and subtract three or more integers
C.5 Add and subtract integers: word problems
C.7 Multiply and divide integers
C.8 Evaluate numerical expressions involving integers
G.5 Convert between decimals and fractions or mixed numbers
H.2 Add and subtract rational numbers
H.3 Add and subtract rational numbers: word problems
H.5 Multiply and divide rational numbers
H.6 Multiply and divide rational numbers: word problems
H.9 Evaluate numerical expressions involving rational numbers
J.5 Unit rates
L.3 Find what percent one number is of another
L.6 Percent of numbers and money amounts

EIGHTH GRADE STANDARD MATH (PRE-ALGEBRA)

C.4 Add and subtract three or more integers

C.5 Add and subtract integers: word problems

C.7 Multiply and divide integers

C.8 Evaluate numerical expressions involving integers

G.5 Convert between decimals and fractions or mixed numbers

H.2 Add and subtract rational numbers

H.3 Add and subtract rational numbers: word problems

H.5 Multiply and divide rational numbers

H.6 Multiply and divide rational numbers: word problems

H.9 Evaluate numerical expressions involving rational numbers

J.5 Unit rates

L.3 Find what percent one number is of another

L.6 Percent of numbers and money amounts

EIGHTH GRADE ACCELERATED MATH (ALGEBRA)

B.2 Evaluate numerical expressions involving integers

B.4 Evaluate numerical expressions involving rational numbers

C.4 Unit prices

C.5 Solve proportions

C.6 Solve proportions: word problems

C.7 Scale drawings: word problems

D.1 Convert between percents, fractions, and decimals

D.3 Percent word problems

D.4 Percent of change

D.7 Percent of a number: tax, discount, and more

F.1 Perimeter

F.2 Area

F.3 Area and perimeter: word problems

F.4 Volume

F.5 Surface area

F.6 Similar figures: side lengths and angle measures

I.1 Write variable expressions

I.3 Simplify variable expressions involving like terms and the distributive property

I.5 Write variable equations

I.8 Solve equations using order of operations