

Dear Parents,

This summer, your child will be required to complete certain skills in the IXL Math online program. Below are the topics your child must complete before the start of school in September. When your child finishes the mastery for a skill please date and initial that line. Your child needs to return the check list in September. **They will be completing skills in their current grade level.**

Children entering 1st grade will complete a summer solutions book. (information will be sent separately)

Please email the school at stmaxinfo@stmax.org if you have any questions during the summer.

Entering 2nd Grade Math:

Counting and Number Patterns:

Skip counting by twos, fives, and tens

Date and SmartScore: _____

Even or Odd

Date and SmartScore: _____

Understand Addition:

Add with cubes-sums up to 10

Date and SmartScore: _____

Addition:

Addition Facts-sums up to 10

Date and SmartScore: _____

Understand Subtraction:

Subtract with cubes-up to 10

Date and SmartScore: _____

Subtraction:

Subtraction facts - up to 10

Date and SmartScore: _____

Subtraction Strategies:

Relate addition and subtraction sentences

Date and SmartScore: _____

Comparing:

Comparing-review

Date and SmartScore: _____

Place Value:

Place value models up to 100

Date and SmartScore: _____

Money:

Names and values of common coins

Date and SmartScore: _____

Entering 3rd Grade Math:

Time:

Match analog and digital clocks

Read and write clock times

Patterns:

Count forward and backward by 2, 5, 10, 100's

Identify even and odd numbers

Addition:

Addition word problems-sums to 20

Make 10 to add

Add 3 numbers, 2 digits each: word problems

Subtraction:

Subtract 3 digit numbers

Subtract across zero

Two dimensional:

Name Shapes

Flip, turn, slide

Place Value:

Place value up to 1000

Regroup tens and ones.

Date and SmartScore: _____

Date and SmartScore: _____

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Date and SmartScore: _____

Date and SmartScore: _____

Entering 4th Grade Math:

Place Value:

Value of a digit

Date and SmartScore: _____

Addition:

Add two numbers up to 6 digits

Date and SmartScore: _____

Subtraction:

Subtract numbers with four or more digits

Date and SmartScore: _____

Multiplication Fluency:

Multiplication tables up to 12

Date and SmartScore: _____

Division Fluency:

Division facts up to 10

Date and SmartScore: _____

Mixed Operations:

Multiplication and Division Word Problems

Date and SmartScore: _____

Estimating and Rounding:

Rounding

Money:

Add money amounts Word Problems

Date and SmartScore: _____

Time:

Find the elapsed time

Date and SmartScore: _____

Understand Fractions:

Identify equal parts

Date and SmartScore: _____

Equivalent Fractions:

Identify equivalent Fractions

Date and SmartScore: _____

Three-dimensional shapes:

Identify three-dimensional shapes

Date and SmartScore: _____

Entering 5th Grade Math:

Place Value:

Place value review

Date and SmartScore: _____

Round numbers:

Rounding up to millions place

Date and SmartScore: _____

Addition:

Add two numbers up to five digits

Date and SmartScore: _____

Subtraction:

Subtract numbers up to five digits

Date and SmartScore: _____

Multiply 1-digit numbers

Multiply 1 digit numbers by 3 digit or 4 digit numbers

Date and SmartScore: _____

Properties of Multiplication:

Multiply using the distributive property

Date and SmartScore: _____

Divide 2 digit numbers:

Divide 2 digit numbers by 1 digit numbers; interpret

Remainders

Date and SmartScore: _____

Equivalent fractions:

Write fractions in lowest terms

Date and SmartScore: _____

Order fractions:

Graph and order fractions on number lines

Date and SmartScore: _____

Compare decimals and fractions:

Compare decimals on number lines

Date and SmartScore: _____

Entering 6th Grade Math:

Exponents:

Evaluate exponents

Date and SmartScore: _____

Add and subtract decimal numbers:

Add and subtract decimals

Date and SmartScore: _____

Multiply decimals:

Multiply two decimals: products up to hundredths

Date and SmartScore: _____

Divide decimals:

Division with decimal quotients

Date and SmartScore: _____

Add and subtract fractions:

Add and subtract fractions with unlike denominators

Date and SmartScore: _____

Add and subtract mixed numbers: word problems

Date and SmartScore: _____

Multiply fractions:

Multiply two mixed numbers

Date and SmartScore: _____

Divide fractions:

Divide fractions and mixed numbers

Date and SmartScore: _____

Geometric Measurement:

Area of squares and rectangles

Date and SmartScore: _____

Volume of cubes and rectangular prisms

Date and SmartScore: _____

Entering 7th Grade Math:

Integers:

Put integers in order

Date and SmartScore: _____

Operations with Integers:

Add integers

Date and SmartScore: _____

Subtract integers

Date and SmartScore: _____

Ratios and Rates:

Unit rates

Date and SmartScore: _____

Solve the proportion

Date and SmartScore: _____

Percents:

Convert between percents, fractions, and decimals

Date and SmartScore: _____

Solve percent problems

Date and SmartScore: _____

Expressions and Properties:

Evaluate multi-variable expressions

Date and SmartScore: _____

One Variable Equations:

Solve one step equations with whole numbers

Date and SmartScore: _____

Statistics:

Calculate mean, median, mode and range

Date and SmartScore: _____

Entering 8th Grade Math:

Operations with Integers:

Add and subtract integers

Date and SmartScore: _____

Multiply and divide integers

Date and SmartScore: _____

Complete addition and subtraction equations with integers

Date and SmartScore: _____

Complete multiplication and division equations with integers

Date and SmartScore: _____

Operations with Fractions:

Add and subtract mixed numbers

Date and SmartScore: _____

Multiply mixed numbers

Date and SmartScore: _____

Divide mixed numbers

Date and SmartScore: _____

Coordinate Plane:

Quadrants and axes

Date and SmartScore: _____

Follow directions on a coordinate plane

Date and SmartScore: _____

One Variable Equations:

Solve two-step equations

Date and SmartScore: _____

Entering 7th Grade Honors Math:

Ratio and Rates:

Unit Rates

Date and SmartScore: _____

Solve the proportion

Date and SmartScore: _____

Operations with Integers:

Add and subtract integers-find the sign

Date and SmartScore: _____

Percents:

Percents of Numbers-word problems

Date and SmartScore: _____

Find what percent one number is of another

Date and SmartScore: _____

Expressions and Properties:

Identify equivalent expressions I

Date and SmartScore: _____

One-variable equations:

Solve one-step equations: word problems

Date and SmartScore: _____

One-variable inequalities:

Solve one-step inequalities

Date and SmartScore: _____

Date and SmartScore: _____

Two variable equations:

Graph a two-variable equation

Date and SmartScore: _____

Geometric Measurement:

Area of compound figures

Date and SmartScore: _____

Volume of triangular prisms

Date and SmartScore: _____

Surface Area of triangular prisms

Date and SmartScore: _____

Statistics:

Interpret charts and graphs to find measures of center

Date and SmartScore: _____

Probability:

Probability of one event

Date and SmartScore: _____

Entering 8th Grade Honors Math:

One-variable inequalities:

Solve two-step inequalities

Date and SmartScore: _____

Graph solutions to multi-step inequalities

Date and SmartScore: _____

Linear equations:

Find the slope from two points

Date and SmartScore: _____

Find a missing coordinate using slope

Date and SmartScore: _____:

Slope-intercept form: find the slope and y-intercept

Date and SmartScore: _____

Write a linear equation from a slope and y-intercept

Date and SmartScore: _____

Write a linear equation from a graph

Date and SmartScore: _____

Write a linear equation from a slope and a point

Date and SmartScore: _____

Write a linear equation from two points

Date and SmartScore: _____

Convert a linear equation in standard form to slope-intercept form

Date and SmartScore: _____

Slopes of parallel and perpendicular lines

Date and SmartScore: _____

Functions:

Identify functions

Date and SmartScore: _____

Systems of Linear Equations:

Solving a system of equations by graphing

Date and SmartScore: _____

Solve a system of equations by using substitution

Date and SmartScore: _____

Solve a system of equations using elimination

Date and SmartScore: _____

One-variable equations:

Solve equations: mixed review

Date and SmartScore: _____