

5th Grade Math Standards Taught in 4th Grade Accelerated Math

Extra practice or exposure to the standards that will not be in our textbook this year will be helpful to all students, particularly those that were not in accelerated math last year

Number Sense

MA.5.NSO.1 : Understand the place value of multi-digit numbers with decimals to the thousandths place

MA.5.NSO.2 : Add, subtract, multiply and divide multi-digit numbers with whole and decimal numbers

W.3 Understanding decimals expressed in words

W.5 Relationship between decimal place values

X.4 Compare decimal numbers

A.2 Place value

A.3 Relationship between place values

D.12 Multiply 2 digit numbers by larger numbers

D.14 Multiply by 3 digit numbers

DD.4 Multiply two decimals: where does the decimal point go?

DD.6 Multiply two decimals: products up to thousandths

GG.1 Add, subtract, multiply, and divide decimals

W.4 Place values in decimal numbers

W.9 Round decimals

X.5 Put decimal numbers in order

E.4 Estimate quotients: 2-digit divisors

E.11 Divide 2-digit and 3-digit numbers by 2-digit numbers

E.13 Divide 4-digit numbers by 2-digit numbers

E.15 Adjust quotients

FF.4 Division with decimal quotients

FF.8 Divide by decimals

Algebraic Reasoning

MA.5.AR.1 : Solve problems involving the four operations with whole numbers and fractions.

MA.5.AR.2 : Demonstrate an understanding of equality, the order of operations and equivalent numerical expressions.

MA.5.AR.3 : Analyze patterns and relationships between inputs and outputs

H.3 Evaluate numerical expressions

H.6 Identify mistakes involving the order of operations

MM.4 Write variable equations: word problems

MM.6 Complete a table for a two-variable relationship

MM.7 Complete a table from a graph

MM.8 Graph patterns using rules

Fractions

MA.5.FR.1 : Interpret a fraction as an answer to a division problem

MA.5.FR.2 : Perform operations with fractions

L.3 Add fractions with unlike denominators

L.5 Subtract fractions with unlike denominators

L.10 Compare sums and differences of fractions

O.5 Fractions of a number I

P.4 Complete the fraction multiplication sentence I

R.4 Multiply two mixed numbers

T.4 Divide unit fractions by whole numbers using area models

T.5 Divide whole numbers by unit fractions using models

U.1 Divide unit fractions by whole numbers

M.1 Estimate sums and differences of mixed numbers

M.3 Add mixed numbers with unlike denominators

M.4 Subtract mixed numbers with unlike denominators

P.1 Multiply two fractions

Q.3 Multiply with mixed numbers using area models

T.1 Relate division and fractions

U.2 Divide whole numbers by unit fractions

Geometry

MA.5.GR.1 : Classify two-dimensional figures and three-dimensional figures based on defining attributes.

MA.5.GR.2 : Find the perimeter and area of rectangles with fractional or decimal side lengths.

MA.5.GR.3 : Solve problems involving the volume of right rectangular prisms

MA.5.GR.4 : Plot points and represent problems on the coordinate plane

PP.1 Acute, obtuse, and right triangles

PP.2 Scalene, isosceles, and equilateral triangles

PP.3 Classify triangles

SS.2 Perimeter with decimal side lengths

SS.3 Perimeter with fractional side lengths

UU.2 Volume of rectangular prisms made of unit cubes

LL.3 Graph points on a coordinate plane

LL.5 Use a rule to complete a table and a graph

QQ.6 Classify quadrilaterals

QQ.9 Describe relationships among quadrilaterals

RR.3 Regular and irregular polygons

TT.1 Area of squares and rectangles

TT.3 Area of rectangles with fractions and mixed #s

UU.4 Volume of cubes and rectangular prisms

LL.4 Graph points from a table

LL.6 Analyze graphed relationships

Data and Measurement

MA.5.M.1 : Convert measurement units to solve multi-step problems

MA.5.M.2 : Solve problems involving money

HH.3 Add and subtract money: multi-step word problems

HH.7 Divide money amounts

II.1 Compare and convert customary units of length

II.3 Compare and convert customary units of volume

II.8 Convert mixed customary units

JJ.4 Compare and convert metric units

HH.5 Multiply money amounts: word problems

HH.9 Price lists

II.2 Compare and convert customary units of weight

II.4 Compare and convert customary units

II.9 Add and subtract mixed customary units

JJ.6 Conversion tables - metric units

Data Analysis & Probability

MA.5.DP.1 : Collect, represent and interpret data and find the mean, mode, median or range of a data set.

NN.1 Interpret line plots

NN.9 Interpret frequency charts: one-step problems

OO.8 Interpret charts and graphs to find the mode

OO.10 Interpret charts and graphs to find the median

NN.4 Interpret line graphs

NN.12 Interpret stem-and-leaf plots

OO.9 Interpret charts and graphs to find the mean

OO.11 Interpret charts and graphs to find the range