

MATH FIFTH GRADE I CANS

Operations and Algebraic Thinking

Write and interpret numerical expressions

5.OA.1 I can evaluate & use symbols & numerical expressions.

5.OA.2 I can write & interpret expressions.

Analyze patterns and relationships

5.OA.3 I can generate patterns given two rules, compare how the rules affect the results, & plot results on a line graph to compare.

Numbers and Operations in Base Ten

Understand the place value system

5.NBT.1 I can demonstrate that each digit represents a value in its position & its relationship to the digit beside it.

5.NBT.2 I can understand the use of 10 as an exponent & how it affects decimal placement.

5.NBT.3 & 4 I can read, write, & compare decimals to the thousandths (including expanded form.); round decimals.

Perform operations with multi-digit whole numbers and with decimals to hundredths

5.NBT.5 I can multiply multi-digit whole numbers.

5.NBT.6 I can divide by two or more numbers; be able to explain the process using content vocabulary.

5.NBT.7 I can add, subtract, multiply, divide decimals using multiple strategies & explain processes.

Numbers and Operations - Fractions

Extend understanding of fraction equivalence and ordering

5.NF.1 I can add & subtract fractions with unlike denominators, including mixed numbers.

5.NF.2 I can solve word problems using addition & subtraction of fractions.

Apply and extend previous understandings of multiplication and division to multiply and divide fractions

5.NF.3 I can understand that fraction is a numerator divided by denominator (division) & use fractions to solve word problems.

5.NF.4 I can multiply fractions by other fractions & whole numbers; and use fractions to find area.

5.NF.5a I can understand if a solution is reasonable & compare predicted outcomes.

5.NF.5b I can examine how numbers change when multiplying by fractions.

5.NF.6 I can solve real world problems by multiplying & dividing fractions & mixed numbers.

5.NF.7 I can divide fractions by whole numbers & vice versa.

Measurement and Data

Convert like measurement units within a given measurement system

5.MD.1 I can convert measurements within the same measurement system & use to solve real world problems (customary & metric).

Represent and interpret data

5.MD.2 I can make a line plot to display a data set of measurements in fractions of a unit.

Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition

5.MD.3 I can recognize volume of solids & understand the concepts.

5.MD.4 I can measure volume with cubic units.

5.MD.5 I can use formulas to solve for volume.

Geometry

Graph points on the coordinate plane to solve real-world and mathematical problems

5.G.1 I can understand coordinate systems such as axis & points.

5.G.2 I can understand plot & graph points from real world & mathematical problems.

Classify two-dimensional figures into categories based on their properties

5.G.3 I can understand properties of shapes.

5.G.4 I can classify & relate 2D figures based on their properties.