

**Correlation of WriteMath Enterprises Curriculum
Sunshine State Standards for Mathematics for Grades 3-5
Florida Department of Education
Prepared by Jamie Francis, Independent Consultant**

This document provides suggested alignment of WriteMath Enterprises activities with Sunshine State Standards for Mathematics for Grades 3-5 as determined by the Florida Department of Education. A summary of the Sunshine State Standards for Mathematics for Grades 3-5 can be found on Page 2. The following pages provide a detailed outline of the Sunshine State Standards for Mathematics. Within the outline, each exercise that aligns with the given sub-standard is listed in a revised MLA style, which includes the page numbers and a brief description of the exercise.

Note: The suggested alignment represented by this document is not static. Many of the exercises contained within the WriteMath Enterprises curriculum align with more than one standard, but will only be listed under a single standard. Most exercises can also be altered slightly to align with more standards.

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Overview of Sunshine State Standards for Mathematics
Grades 3-5
Florida Department of Education

A. Number Sense, Concepts, and Operations

1. The student understands the different ways numbers are represented and used in the real world.
2. The student understands number systems.
3. The student understands the effects of operations on numbers and the relationships among these operations, selects appropriate operations, and computes for problem solving.
4. The student uses estimation in problem solving and computations.
5. The student understands and applies theories related to numbers.

B. Measurement

1. The student measures quantities in the real world and uses the measures to solve problems.
2. The student compares, contrasts, and converts within systems of measurement (both standard/nonstandard and metric/customary).
3. The student estimates measurements in real-world problem situations.
4. The student selects and uses appropriate units and instruments for measurement to achieve the degree of precision and accuracy required in real-world situations.

C. Geometry and Spatial Sense

1. The student describes, draws, identifies, and analyzes two- and three-dimensional shapes.
2. The student visualizes and illustrates ways in which shapes can be combined, subdivided, and changed.
3. The student uses coordinate geometry to locate objects in both two and three dimensions and to describe objects algebraically.

D. Algebraic Thinking

1. The student describes, analyzes, and generalizes a wide variety of patterns, relations, and functions.
2. The student uses expressions, equations, inequalities, graphs, and formulas to represent and interpret situations.

E. Data Analysis and Probability

1. The student understands and uses the tools of data analysis for managing information.
2. The student identifies patterns and makes predictions from an orderly display of data using concepts of probability and statistics.
3. The student uses statistical methods to make inferences and valid arguments about real-world situations.

A. Number Sense, Concepts, and Operations

Standard 1: The student understands the different ways numbers are represented and used in the real world.

MA.A.1.2.1

- names whole numbers combining three-digit numeration (hundreds, tens, ones) and the use of number periods, such as ones, thousands, and millions and associates verbal names, written word names, and standard numerals with whole numbers, commonly used fractions, decimals, and percents.

Robinson, Kathryn. Just Turn & Share_{TM}: Place Value. Valrico, FL: WriteMath Enterprises, 1995. 3 – 55.

The student determines the digit in a particular place of a given number.

MA.A.1.2.2

- understands the relative size of whole numbers, commonly used fractions, decimals, and percents.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 2.

The student learns how to read fractions and the different parts of a fraction.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 19.

The student learns about the Greatest Common Factor.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 20 – 31.

The student writes fractions and decimals representing a given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 32.

The student learns how to convert a fraction to a decimal.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 33 – 44.

The student writes fractions, decimals and percents representing a given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 47 – 58.

The student writes fractions, decimals and percents representing a given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 60.

The student learns how to compare fractions of different denominations.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 61 – 72.

The student writes fractions, decimals and percents representing a given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 87 – 98.

The student writes fractions and decimals representing a given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 115 – 126.

The student writes fractions, decimals & percents representing values of money.

Robinson, Kathryn. Just Turn & Share_{TM}: Number Sense. Valrico, FL: WriteMath Enterprises, 1995. 3 – 14.

The student determines the value of letters based on their position on number lines.
Robinson, Kathryn. Just Turn & Share_{TM}: Number Sense. Valrico, FL: WriteMath Enterprises, 1995. 28 – 39.

The student determines the value of letters based on their position on number lines.
Robinson, Kathryn. Just Turn & Share_{TM}: Number Sense. Valrico, FL: WriteMath Enterprises, 1995. 55 – 66.

The student determines the value of letters based on their position on number lines.

MA.A.1.2.3

- understands concrete and symbolic representations of whole numbers, fractions, decimals, and percents in real-world situations.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 84 – 99.

The student writes numbers as fractions, decimals and rounds the numbers.

Robinson, Kathryn. Just Turn & Share_{TM}: Graph. Valrico, FL: WriteMath Enterprises, 1995. 46 – 84.

The student answers various questions about given graphs (pie, bar, and blank).

MA.A.1.2.4

- understands that numbers can be represented in a variety of equivalent forms using whole numbers, decimals, fractions, and percents.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 17 – 18.

The student learns about decimals & percents & how they relate to fractions.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 45.

The student learns about the Greatest Common Factor to simplify fractions.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 46.

The student learns to determine the numeric equivalent of a fraction.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 74 – 85.

The student writes fractions and decimals to represent a given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 86.

The student learns how to convert a mixed number to a fraction.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 99.

The student learns how to change an improper fraction to a mixed number.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 100.

The student learns how to add and subtract fractions with unlike denominators.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 101 – 112.

The student writes fractions, decimals and percents representing a given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 129 – 140.

The student writes fractions, decimals and percents representing values of money.

Robinson, Kathryn. Just Turn & Share_{TM}: Number Sense. Valrico, FL: WriteMath

Enterprises, 1995. 16 – 27.

The student determines number sentences for given mathematical expressions.

Robinson, Kathryn. Just Turn & Share_{TM}: Number Sense. Valrico, FL: WriteMath Enterprises, 1995. 43 – 54.

The student determines number sentences for given mathematical expressions.

Standard 2: The student understands number systems.

MA.A.2.2.1

- uses place-value concepts of grouping based upon power of ten (thousandths, hundredths, tenths, ones, tens, hundreds, thousands) within the decimal number system.

Robinson, Kathryn. Just Turn & Share_{TM}: Place Value. Valrico, FL: WriteMath Enterprises, 1995. 56 – 75.

The student determines which digit resides in various places of given numbers.

Robinson, Kathryn. Just Turn & Share_{TM}: Place Value. Valrico, FL: WriteMath Enterprises, 1995. 77 – 108.

The student determines which digit resides in various places of decimal numbers.

Robinson, Kathryn. Just Turn & Share_{TM}: Place Value. Valrico, FL: WriteMath Enterprises, 1995. 109 – 112.

The student determines which digit resides in various places of decimal numbers.

Robinson, Kathryn. Just Turn & Share_{TM}: Place Value. Valrico, FL: WriteMath Enterprises, 1995. 113 – 124.

The student creates decimal numbers that meet required criteria.

MA.A.2.2.2

- recognizes and compares the decimal number system to the structure of other number systems such as the Roman numeral system or bases other than ten.

Standard 3: The student understands the effects of operations on numbers and the relationships among these operations, selects appropriate operations, and computes for problem solving.

MA.A.3.2.1

- understands and explains the effects of addition, subtraction, and multiplication on whole numbers, decimals, and fractions, including mixed numbers, and the effects of division on whole numbers, including the inverse relationship of multiplication and division.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 6 – 8.

The student determines which algebraic equation to use to answer questions.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 12 – 23.

The student uses multiplication to complete tables to solve problems.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 3 – 4.

The student adds & subtracts fractions & uses multiplication for equivalency.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 73.

The student learns about multiples and products of numbers.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 113 – 114.

The student learns about multiplying fractions and mixed numbers.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 127 – 128.

The student learns about dividing fractions and mixed numbers.

MA.A.3.2.2

- selects the appropriate operation to solve specific problems involving addition, subtraction, and multiplication of whole numbers, decimals, and fractions, and division of whole numbers.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 9 – 11.

The student uses number patterns to answer word problems.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 24 – 35.

The student uses information given in a word problem to answer questions.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 36 – 47.

The student chooses the appropriate equation to answer questions.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 48 – 59.

The student chooses the appropriate equation to define the given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 60 – 71.

The student chooses the algebraic equation representing a verbal expression.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 72 – 79.

The student chooses the algebraic equation representing a verbal expression.

Robinson, Kathryn. Just Turn & Share_{TM}: Number Sense. Valrico, FL: WriteMath Enterprises, 1995. 105 – 128.

The student determines the appropriate operation based on verbal expressions.

MA.A.3.2.3

- adds, subtracts, and multiplies whole numbers, decimals, and fractions, including mixed numbers, and divides whole numbers to solve real-world problems, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.

Robinson, Kathryn. Just Turn & Share_{TM}: Fractions and Decimals. Valrico, FL: WriteMath Enterprises, 1995. 5 – 16.

The student adds or subtracts given fractions & figures factors of a number.

Robinson, Kathryn. Just Turn & Share_{TM}: Money. Valrico, FL: WriteMath Enterprises, 1995. 3 – 57.

The student adds and/or subtracts monetary amounts.

Robinson, Kathryn. Just Turn & Share_{TM}: Money. Valrico, FL: WriteMath Enterprises, 1995. 58 – 116.

The student adds and/or subtracts monetary amounts & uses fractional discounts.

Robinson, Kathryn. Just Turn & Share_{TM}: Money. Valrico, FL: WriteMath Enterprises, 1995. 117 – 158.

The student adds, subtracts, divides & multiplies monetary amounts using menus.

Standard 4: The student uses estimation in problem solving and computation.

MA.A.4.2.1

- uses and justifies different estimation strategies in a real-world problem situation and determines the reasonableness of results of calculations in a given problem situation.

Robinson, Kathryn. Just Turn & Share_{TM}: Estimation. Valrico, FL: WriteMath Enterprises, 1995. 3 – 22.

The student answers word problems involving rounding and estimation.

Robinson, Kathryn. Just Turn & Share_{TM}: Estimation. Valrico, FL: WriteMath Enterprises, 1995. 23 – 42.

The student answers word problems involving rounding and estimation.

Robinson, Kathryn. Just Turn & Share_{TM}: Estimation. Valrico, FL: WriteMath Enterprises, 1995. 43 – 62.

The student answers word problems involving rounding and estimation.

Robinson, Kathryn. Just Turn & Share_{TM}: Estimation. Valrico, FL: WriteMath Enterprises, 1995. 63 – 83.

The student answers word problems involving rounding and estimation.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 100 – 103.

The student answers questions involving estimation about a given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 104 – 123.

The student answers questions involving estimation about a given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 71 – 74.

The student approximates the angle between hands on a clock.

Standard 5: The student understands and applies theories related to numbers.

MA.A.5.2.1

- understands and applies basic number theory concepts, including primes, composites, factors, and multiples.

Robinson, Kathryn. Just Turn & Share_{TM}: Number Sense. Valrico, FL: WriteMath Enterprises, 1995. 68 – 91.

The student determines which numbers are even, odd, mixed, prime or composite.

B. Measurement

Standard 1: The student measures quantities in the real world and uses the measure to solve problems.

MA.B.1.2.1

- uses concrete and graphic models to develop procedures for solving problems related to measurement including length, weight, time, temperature, perimeter, area, volume, and angle.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 84 – 95.

The student determines the weights of objects based on the picture given.

Robinson, Kathryn. Just Turn & Share_{TM}: Linear Measure. Valrico, FL: WriteMath Enterprises, 1995. 2 – 22.

The student determines the perimeters of given pictured dimensions.

Robinson, Kathryn. Just Turn & Share_{TM}: Linear Measure. Valrico, FL: WriteMath Enterprises, 1995. 24 – 27.

The student determines perimeter & area of objects based on the dimensions given.

Robinson, Kathryn. Just Turn & Share_{TM}: Linear Measure. Valrico, FL: WriteMath Enterprises, 1995. 29 – 46.

The student determines perimeter & area of various rooms within a floor plan.

Robinson, Kathryn. Just Turn & Share_{TM}: Linear Measure. Valrico, FL: WriteMath Enterprises, 1995. 47 – 69.

The student determines perimeter & area of various sections within a floor plan.

Robinson, Kathryn. Just Turn & Share_{TM}: Linear Measure. Valrico, FL: WriteMath Enterprises, 1995. 73 – 94.

The student determines perimeter, area & linear measure of various objects.

Robinson, Kathryn. Just Turn & Share_{TM}: Temperature. Valrico, FL: WriteMath Enterprises, 1995. 5 – 28.

The student answers questions related to a given weather map.

Robinson, Kathryn. Just Turn & Share_{TM}: Temperature. Valrico, FL: WriteMath Enterprises, 1995. 33 – 44.

The student answers questions related to a given weather map.

Robinson, Kathryn. Just Turn & Share_{TM}: Temperature. Valrico, FL: WriteMath Enterprises, 1995. 47 – 58.

The student answers questions related to a given weather map.

Robinson, Kathryn. Just Turn & Share_{TM}: Temperature. Valrico, FL: WriteMath Enterprises, 1995. 61 – 68.

The student answers questions related to a given weather map.

Robinson, Kathryn. Just Turn & Share_{TM}: Time. Valrico, FL: WriteMath Enterprises, 1995. 5 – 95.

The student answers questions related to time given on analog and digital clocks.

Robinson, Kathryn. Just Turn & Share_{TM}: Time. Valrico, FL: WriteMath Enterprises, 1995. 97 – 172.

The student answers questions related to military and standard time.

Robinson, Kathryn. Just Turn & Share_{TM}: Weight & Mass. Valrico, FL: WriteMath Enterprises, 1995. 3 – 76.

The student determines the weights of various objects and nomenclature.

MA.B.1.2.2

- solves real-world problems involving length, weight, perimeter, area, capacity, volume, time, temperature, and angles.

Robinson, Kathryn. Just Turn & Share_{TM}: Calendar. Valrico, FL: WriteMath Enterprises, 1995. 5 – 20.

The student uses a given calendar to answer questions about days and dates.

Robinson, Kathryn. Just Turn & Share_{TM}: Calendar. Valrico, FL: WriteMath Enterprises, 1995. 21 – 37.

The student uses a given calendar to answer questions about days and dates.

Robinson, Kathryn. Just Turn & Share_{TM}: Calendar. Valrico, FL: WriteMath Enterprises, 1995. 38 – 54.

The student uses a given calendar to answer questions about days and dates.

Robinson, Kathryn. Just Turn & Share_{TM}: Calendar. Valrico, FL: WriteMath Enterprises,

1995. 56 – 74.

The student uses a given calendar to answer questions about days and dates.

Robinson, Kathryn. Just Turn & Share_{TM}: Calendar. Valrico, FL: WriteMath Enterprises, 1995. 75 – 91.

The student uses a given calendar to answer questions about days and dates.

Robinson, Kathryn. Just Turn & Share_{TM}: Calendar. Valrico, FL: WriteMath Enterprises, 1995. 92 – 110.

The student uses a given calendar to answer questions about days and dates.

Robinson, Kathryn. Just Turn & Share_{TM}: Calendar. Valrico, FL: WriteMath Enterprises, 1995. 111 – 127.

The student uses a given calendar to answer questions about days and dates.

Robinson, Kathryn. Just Turn & Share_{TM}: Calendar. Valrico, FL: WriteMath Enterprises, 1995. 128 – 135.

The student uses a given calendar to answer questions about days and dates.

Robinson, Kathryn. Just Turn & Share_{TM}: Linear Measure. Valrico, FL: WriteMath Enterprises, 1995. 95 – 137.

The student determines the area of various objects.

Robinson, Kathryn. Just Turn & Share_{TM}: Temperature. Valrico, FL: WriteMath Enterprises, 1995. 69 – 72.

The student answers questions related to a given weather map.

Robinson, Kathryn. Just Turn & Share_{TM}: Temperature. Valrico, FL: WriteMath Enterprises, 1995. 75 – 86.

The student answers questions related to a given weather map.

Robinson, Kathryn. Just Turn & Share_{TM}: Temperature. Valrico, FL: WriteMath Enterprises, 1995. 89 – 100.

The student answers questions related to a given weather map.

Robinson, Kathryn. Just Turn & Share_{TM}: Temperature. Valrico, FL: WriteMath Enterprises, 1995. 103 – 114.

The student answers questions related to a given weather map.

Robinson, Kathryn. Just Turn & Share_{TM}: Temperature. Valrico, FL: WriteMath Enterprises, 1995. 117 – 128.

The student answers questions related to a given weather map.

Robinson, Kathryn. Just Turn & Share_{TM}: Temperature. Valrico, FL: WriteMath Enterprises, 1995. 131 – 134.

The student answers questions related to a given weather map.

Robinson, Kathryn. Just Turn & Share_{TM}: Temperature. Valrico, FL: WriteMath Enterprises, 1995. 135 – 142.

The student answers questions related to a given weather map.

Robinson, Kathryn. Just Turn & Share_{TM}: Volume. Valrico, FL: WriteMath Enterprises, 1995. 3 – 71.

The student determines various measurements of volume.

Robinson, Kathryn. Just Turn & Share_{TM}: Volume. Valrico, FL: WriteMath Enterprises, 1995. 72 – 126.

The student determines various measurements of volume.

Robinson, Kathryn. Just Turn & Share_{TM}: Weight & Mass. Valrico, FL: WriteMath Enterprises, 1995. 77 – 125.

The student determines and converts various weights and masses.

Standard 2: The student compares, contrasts, and converts within systems of measurement (both standard/nonstandard and metric/customary).

MA.B.2.2.1

- uses direct (measured) and indirect (not measured) measures to calculate and compare measurable characteristics.

MA.B.2.2.2

- selects and uses appropriate standard and nonstandard units of measurement, according to type and size.

Standard 3: The student estimates measurements in real-world problem situations.

MA.B.3.2.1

- solves real-world problems involving estimates of measurements, including length, time, weight, temperature, money, perimeter, area, and volume.

Robinson, Kathryn. Just Turn & Share™: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 63 – 70.

The student approximates the angle between the hands of a clock in a given picture.

Standard 4: The student selects and uses appropriate units and instruments for measurement to achieve the degree of precision and accuracy required in real-world situations.

MA.B.4.2.1

- determines which units of measurement, such as seconds, square inches, dollars per tankful, to use with answers to real-world problems.

MA.B.4.2.2

- selects and uses appropriate instruments and technology, including scales, rulers, thermometers, measuring cups, protractors, and gauges, to measure real-world situations.

C. Geometry and Spatial Sense

Standard 1: The student describes, draws, identifies, and analyzes two- and three-dimensional shapes.

MA.C.1.2.1

- given a verbal description, draws and/or models two- and three-dimensional shapes and uses appropriate geometric vocabulary to write a description of a figure or a picture composed of geometric figures.

Robinson, Kathryn. Just Turn & Share™: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 2 – 3.

The student learns about lines, line segments, rays and plane figures.

Robinson, Kathryn. Just Turn & Share™: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 4 – 7.

The student names pictured figures and names figures by their written description.

Robinson, Kathryn. Just Turn & Share™: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 8 – 11.

The student names given figures and draws figures based on the given name.

Robinson, Kathryn. Just Turn & Share™: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 13 – 20.

The student names given figures and draws figures based on the given name.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 23 – 30.

The student answers questions about angles and plane figures.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 38 – 41.

The student answers questions about plane figures from a verbal description.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 75 – 76.

The student learns about space (three-dimensional) figures.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 77 – 100.

The student answers questions about angles, space figures and plane figures.

Standard 2: The student visualizes and illustrates ways in which shapes can be combined, subdivided, and changed.

MA.C.2.2.1

- understands the concepts of spatial relationships, symmetry, reflections, congruency, and similarity.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 32.

The student learns about slide, flip and turn transformations.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 37.

The student learns about flip transformations.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 42.

The student learns about turn transformations.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 47.

The student learns about congruent and similar figures.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 48 – 51.

The student determines congruent figures from a given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 54 – 61.

The student determines similar and congruent figures from a given picture.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 62.

The student learns about lines of symmetry.

MA.C.2.2.2

- predicts, illustrates, and verifies which figures could result from a flip, slide, or turn of a given figure.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 33 – 36.

The student answers questions about angles and slide transformations.

Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 43 – 46.

The student determines which given picture demonstrates a turn transformation.
Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 101 – 128.

The student determines which given picture demonstrates various transformations.
Robinson, Kathryn. Just Turn & Share_{TM}: Geometry. Valrico, FL: WriteMath Enterprises, 1995. 129 – 136.

The student determines which given picture demonstrates various transformations.

Standard 3: The student uses coordinate geometry to locate objects in both two and three dimensions and to describe objects algebraically.

MA.C.3.2.1

- represents and applies a variety of strategies and geometric properties and formulas for two- and three-dimensional shapes to solve real-world and mathematical problems.

MA.C.3.2.2

- identifies and plots positive ordered pairs (whole numbers) in a rectangular coordinate system (graph).

Robinson, Kathryn. Just Turn & Share_{TM}: Grid. Valrico, FL: WriteMath Enterprises, 1995. 1 – 13.

The student locates coordinates of objects within a one-quadrant grid.

Robinson, Kathryn. Just Turn & Share_{TM}: Grid. Valrico, FL: WriteMath Enterprises, 1995. 14 – 25.

The student locates coordinates of objects within one- and two-quadrant grids.

Robinson, Kathryn. Just Turn & Share_{TM}: Grid. Valrico, FL: WriteMath Enterprises, 1995. 26 – 37.

The student locates coordinates of objects within three- and four-quadrant grids.

Robinson, Kathryn. Just Turn & Share_{TM}: Grid. Valrico, FL: WriteMath Enterprises, 1995. 38 – 41.

The student determines coordinates of locations using lines of latitude & longitude.

D. Algebraic Thinking

Standard 1: The student describes, analyzes, and generalizes a wide variety of patterns, relations, and functions.

MA.D.1.2.1

- describes a wide variety of patterns and relationships through models, such as manipulatives, tables, graphs, rules using algebraic symbols.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 3 – 5.

The student recognizes number patterns in word problems.

Robinson, Kathryn. Just Turn & Share_{TM}: Graph. Valrico, FL: WriteMath Enterprises, 1995. 2 – 43.

The student answers questions about the data given in various types of graphs.

Robinson, Kathryn. Just Turn & Share_{TM}: Number Sense. Valrico, FL: WriteMath Enterprises, 1995. 92 – 103.

The student determines the alphabetical order of given items and shape patterns.

MA.D.1.2.2

- generalizes a pattern, relation, or function to explain how a change in one quantity results in a change in another.

Standard 2: The student uses expressions, equations, inequalities, graphs, and formulas to represent and interpret situations.

MA.D.2.2.1

- represents a given simple problem situation using diagrams, models, and symbolic expressions translated from verbal phrases, or verbal phrases translated from symbolic expressions, etc.

Robinson, Kathryn. Just Turn & Share_{TM}: Algebra. Valrico, FL: WriteMath Enterprises, 1995. 80 – 83.

The student writes a word problem to represent a verbal number sentence.

MA.D.2.2.2

- uses informal methods, such as physical models and graphs, to solve real-world problems involving equations and inequalities.

E. Data Analysis and Probability

Standard 1: The student understands and uses the tools of data analysis for managing information.

MA.E.1.2.1

- solves problems by generating, collecting, organizing, displaying, and analyzing data using histograms, bar graphs, circle graphs, line graphs, pictographs, and charts.

Robinson, Kathryn. Just Turn & Share_{TM}: Graph. Valrico, FL: WriteMath Enterprises, 1995. 85 – 121.

The student determines information given in charts, pie graphs & Venn Diagrams.

Robinson, Kathryn. Just Turn & Share_{TM}: Graph. Valrico, FL: WriteMath Enterprises, 1995. 122 – 148.

The student determines information given in charts, diagrams and time lines.

MA.E.1.2.2

- determines range, mean, median, and mode from sets of data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 3 – 14.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 16 – 27.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 29 – 32.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 34 – 37.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 39 – 42.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 44 – 47.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 49 – 52.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 54 – 57.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 59 – 62.

The student determines which type of data is required to answer a given question.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 64 – 67.

The student determines which type of data is required to answer a given question.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 69 – 72.

The student determines which type of data is required to answer a given question.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 74 – 85.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 87 – 90.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 92 – 95.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 97 – 100.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 102 – 113.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 115 – 126.

The student determines range, median, mode and mean of given data.

Robinson, Kathryn. Just Turn & Share_{TM}: Thinking. Valrico, FL: WriteMath Enterprises, 1995. 128 – 139.

The student determines range, median, mode and mean of given data.

MA.E.1.2.3

- analyzes real-world data to recognize patterns and relationships of the measures of central tendency using tables, charts, histograms, bar graphs, line graphs, pictographs, and circle graphs generated by appropriate technology, including calculators and computers.

Standard 2: The student identifies patterns and makes predictions from an orderly display of data using concepts of probability and statistics.

MA.E.2.2.1

- uses models, such as tree diagrams, to display possible outcomes and to predict events.

MA.E.2.2.2

- predicts the likelihood of simple events occurring.

Standard 3: The student uses statistical methods to make inferences and valid arguments about real-world situations.

MA.E.3.2.1

- designs experiments to answer class or personal questions, collects information, and interprets the results using statistics (range, mean, median, and mode) and pictographs, charts, bar graphs, circle graphs, and line graphs.

MA.E.3.2.2

- uses statistical data about life situations to make predictions and justifies reasoning.