Sunshine State Standards as assessed on the FCAT at grades 3, 5 and 8 correlated to the Florida Adult Basic Education Framework

2003-2004

FCAT - ABE Correlation of Standards

MATHEMATICS STANDARDS

FCAT: Grade 3, ABE: 0.0-1.9

FCAT	ABE
MA.A.1.2.1 Names whole numbers combining 3-digit numeration (hundreds, tens, and 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.	No Correlation
MA.A.1.2.2 Understands the relative size of whole numbers, commonly used fractions, decimals, and percents.	**Standard 1** **Demonstrate pre-computational skills** 01.01 Identify and write number symbols 0 – 100. 01.02 Read words for numerals 1 – 20. 01.03 Count and associate numbers with quantities, including, recognizing correct number sequencing. 01.04 Understand basic concepts, e.g., more, less, same as, above, below, between, in, out, over, and under. **Standard 2** **Show awareness of the ways numbers are represented and used in the real world** 02.01 Use the first ten ordinal numbers. 02.02 Understand and apply the concepts of counting by 2s, 5s, and 10s.
MA.A.1.2.3 Understands concrete and symbolic representations of whole numbers, fractions, decimals, and percents in real-world situations.	No Correlation
MA.A.1.2.4 Understands that numbers can be represented in a variety of equivalent forms using whole numbers, decimals, fractions, and percents.	No Correlation
MA.A.2.2.1 Uses place-value concepts of grouping based upon powers of ten (thousandths, hundredths, tenths, ones, tens, hundreds, and thousands) within the decimal number system.	No Correlation

FCAT	ABE
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.	**Standard 3** **Demonstrate reasonable proficiency in computing addition and subtraction problems** 03.01 Understand and explain the effect of addition on whole numbers. 03.02 Solve without regrouping 1-and 2- digit addition problems in both vertical and horizontal notation. 03.03 Understand and explain the effect of subtraction on whole numbers. 03.04 Solve without regrouping 1-and 2-digit subtraction problems in both vertical and horizontal notation. 03.05 Select the appropriate operation to solve specific problems involving addition and subtraction of whole numbers. 03:06 Add 1-digit whole numbers to solve real-world problems using appropriate methods of computing, e.g., manipulatives, mental mathematics, and paper and pencil. 03.07 Add a column of three 1-digit numbers. 03.08 Recall addition facts using a number line, table, or memory. 03.09 Recall subtraction facts using a number line, table, or memory.
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.	**Standard 3** **Demonstrate reasonable proficiency in computing addition and subtraction problems** 03.05 Select the appropriate operation to solve specific problems involving addition and subtraction of whole numbers.
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.	**Standard 3** **Demonstrate reasonable proficiency in computing addition and subtraction problems** 03.06 Add 1-digit whole numbers to solve real-world problems using appropriate methods of computing, e.g., manipulatives, mental mathematics, and paper and pencil.
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.	No Correlation
MA.A.5.2.1 Understands and applies basic number theory concepts, including primes, composites, factors, and multiples.	No Correlation

FCAT	ABE
MA.B.1.2.2 Solves real-world problems involving length, weight, perimeter, area, capacity, volume, time, temperature, and angles.	No Correlation
MA.B.2.2.1 Uses direct (measured) and indirect (not measured) measures to calculate and compare measurable characteristics.	No Correlation
MA.B.2.2.2 Selects and uses appropriate standard and non-standard units of measurement, according to type and size.	**Standard 4** **Measure quantities in the real world and use the measures to solve problems** 04.01 Use customary* units such as inches, pounds, degrees, and cups, to measure real quantities, e.g., measure to the nearest inch on a 12-inch ruler. 04.02 Use and describe basic measurement concepts, e.g., length, weight, digital and analog time, temperature, and capacity. 04.03 Select and use an appropriate unit of measure. 04.04 State the date by month, day, and year using a calendar. 04.05 Tell time to the hour and half-hour. *Customary refers to the system of measurement used in the United States
MA.B.3.2.1 Solves real-world problems involving estimates of measurements, including length, time, weight, temperature, money, perimeter, area, and volume.	No Correlation
MA.B.4.2.1 Determines which units of measurement, such as seconds, square inches, and dollars per tankful, to use with answers to real-world problems.	**Standard 4** **Measure quantities in the real world and use the measures to solve problems** 04.01 Use customary* units such as, inches, pounds, degrees, and cups, to measure real quantities, e.g., measure to the nearest inch on a 12-inch ruler. 04.02 Use and describe basic measurement concepts, e.g., length, weight, digital and analog time, temperature, and capacity. 04.03 Select and use an appropriate unit of measure. 04.04 State the date by month, day, and year using a calendar. 04.05 Tell time to the hour and half-hour. *Customary refers to the system of measurement used in the United States

FCAT	ABE
MA.B.4.2.2 Selects and uses appropriate instruments and technology, including scales, rulers, thermometers, measuring cups, protractors, and gauges, to measure in real-world situations.	No Correlation
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.	No Correlation
MA.C.2.2.1 Understands the concepts of spatial relationships, symmetry, reflections, congruency, and similarity.	No Correlation
MA.C.2.2.2 Predicts, illustrates, and verifies which figures could result from a flip, slide, or turn of a given figure.	No Correlation
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.	No Correlation
MA.C.3.2.2 Identifies and plots positive ordered pairs (whole numbers) in a rectangular coordinate system (grpah).	No Correlation
MA.D.1.2.1 Describes a wide variety of patterns and relationships through models; such as, manipulatives, tables, graphs, and rules using algebraic symbols.	No Correlation
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.	No Correlation
MA.D.2.2.2 Uses informal methods, such as physical models and graphs, to solve real-world problems involving equations and inequalities.	No Correlation
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.	No Correlation

FCAT	ABE
MA.E.1.2.2 Determines range, mean, median, and mode from sets of data.	No Correlation
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.	No Correlation
MA.E.2.2.1 Uses models, such as tree diagrams, to display possible outcomes and to predict events.	No Correlation
MA.E.2.2.2 Predicts the likelihood of simple events occurring.	No Correlation

FCAT - ABE Correlation of Standards

MATHEMATICS STANDARDS

FCAT: Grade 3, ABE: 2.0-3.9

FCAT	ABE
MA.A.1.2.1 Names whole numbers combining 3-digit numeration (hundreds, tens, and 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.	**Standard 7** **Show awareness of ways numbers are represented and used in the real world** 07.03 Use objects to represent whole numbers, commonly used fractions, or mixed numbers and relate these numbers to real-world situations, e.g., 1/4 pizza, 1/2 sandwich, and 1 and 1/2 pies.
MA.A.1.2.2 Understands the relative size of whole numbers, commonly used fractions, decimals, and percents.	**Standard 7** **Show awareness of ways numbers are represented and used in the real world** 07.01 Associate whole numbers less than 100 to their respective spoken names, written names, and numerals. 07.02 Understand the relative size of whole numbers between 0 and 100. 07.03 Use objects to represent whole numbers, commonly used fractions, or mixed numbers and relate these numbers to real-world situations, e.g., 1/4 pizza, 1/2 sandwich, and 1 and 1/2 pies.
MA.A.1.2.3 Understands concrete and symbolic representation of whole numbers, fractions, decimals, and percents in real-world situations.	**Standard 7** **Show awareness of ways numbers are represented and used in the real world** 07.03 Use objects to represent whole numbers, commonly used fractions, or mixed numbers and relate these numbers to real-world situations, e.g., 1/4 pizza, 1/2 sandwich, and 1 and 1/2 pies.
MA.A.1.2.4 Understands that numbers can be represented in a variety of equivalent forms using whole numbers, decimals, fractions, and percents.	**Standard 7** **Show awareness of ways numbers are represented and used in the real world** 07.03 Use objects to represent whole numbers, commonly used fractions, or mixed numbers and relate these numbers to real-world situations, e.g., 1/4 pizza, 1/2 sandwich, and 1 and 1/2 pies.
MA.A.2.2.1 Uses place-value concepts of grouping based upon powers of ten (thousandths, hundredths, tenths, ones, tens, hundreds, and thousands) within the decimal number system.	**Standard 8** **Understand number systems** 08.02 Understand place value for hundreds, tens, ones, tenths, and hundredths.

FCAT	ABE
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.	**Standard 9** **Compute addition and subtraction problems** 09.01 Understand and explain the inverse (opposite) relationship between addition and subtraction. 09.02 Add whole numbers to solve real-world problems using appropriate methods of computing; such as, manipulatives, mental mathematics, and paper and pencil. 09.03 Subtract whole numbers to solve real-world problems using appropriate methods of computing; such as, manipulatives, mental mathematics, and paper and pencil.
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.	**Standard 11** **Apply math skills in word problem applications** 11.01 Recognize clue words for choosing operations to be used to solve real-world problems, e.g., add, plus, total, sum, subtract, difference, left, remaining, multiply, times, several, divide, each, and per. 11.02 Explain the reasoning steps in solving real-world problems by: • determining the question • identifying the information given • deciding on the operation • working and checking • making certain the answer is logical 11.03 Recognize that all math has only four operations: addition, subtraction, multiplication, and division. 11.04 Select the appropriate operation to solve specific problems involving addition, subtraction, multiplication, and division.
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.	**Standard 9** **Compute addition and subtraction problems** 09.02 Add whole numbers to solve real-world problems using appropriate methods of computing; such as, manipulatives, mental mathematics, and paper and pencil. 09.03 Subtract whole numbers to solve real-world problems using appropriate methods of computing; such as, manipulatives, mental mathematics, and paper and pencil.

FCAT	ABE
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.	**Standard 12** **Demonstrate estimation skills** 12.02 Use rounding techniques to estimate the solution to a real-world addition or subtraction problem; then determine the actual result through computation.
MA.A.5.2.1 Understands and applies basic number theory concepts, including primes, composites, factors, and multiples.	**Standard 8** **Understand number systems** 08.03 Classify a number as even or odd. **Standard 10** **Compute multiplication and division problems** 10.01 Understand and explain the effect of multiplication on whole numbers. 10.05: Understand and explain the effect of division on whole numbers.
MA.B.1.2.2 Solves real-world problems involving length, weight, perimeter, area, capacity, volume, time, temperature, and angles.	**Standard 15** **Describe and identify three-dimensional shapes** 15.01 Identify and describe the characteristics of basic 3-dimensional shapes.
MA.B.2.2.1 Uses direct (measured) and indirect (not measured) measures to calculate and compare measurable characteristics.	**Standard 13** **Use units of measurement** 13.02 Identify common units of customary* measurements for length, capacity, weight, and temperature. *Customary refers to the system of measurement used in the United States
MA.B.2.2.2 Selects and uses appropriate standard and non-standard units of measurement, according to type and size.	No Correlation
MA.B.3.2.1 Solves real-world problems involving estimates of measurements, including length, time, weight, temperature, money, perimeter, area, and volume.	**Standard 12** **Demonstrate estimation skills** 12.02 Use rounding techniques to estimate the solution to a real-world addition or subtraction problem; then determine the actual result through computation.
MA.B.4.2.1 Determines which units of measurement, such as seconds, square inches, and dollars per tankful, to use with answers to real-world problems.	No Correlation
MA.B.4.2.2 Selects and uses appropriate instruments and technology, including scales, rulers, thermometers, measuring cups, protractors, and gauges, to measure in real-world situations.	**Standard 13** **Use units of measurement** 13.03 Identify, select, and use appropriate tools from the customary* system for measuring length, capacity, weight and temperature. *Customary refers to the system of measurement used in the United States

FCAT	ABE
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.	**Standard 15** **Describe and identify three-dimensional shapes** 15.01 Identify and describe the characteristics of basic 3-dimensional shapes.
MA.C.2.2.1 Understands the concepts of spatial relationships, symmetry, reflections, congruency, and similarity.	**Standard 15** **Describe and identify three-dimensional shapes** 15.01 Identify and describe the characteristics of basic 3-dimensional shapes.
MA.C.2.2.2 Predicts, illustrates, and verifies which figures could result from a flip, slide, or turn of a given figure.	No Correlation
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.	**Standard 15** **Describe and identify three-dimensional shapes** 15.01: Identify and describe the characteristics of basic 3-dimensional shapes.
MA.C.3.2.2 Identifies and plots positive ordered pairs (whole numbers) in a rectangular coordinate system (graph).	No Correlation
MA.D.1.2.1 Describes a wide variety of patterns and relationships through models; such as, manipulatives, tables, graphs, and rules using algebraic symbols.	No Correlation
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.	No Correlation
MA.D.2.2.2 Uses informal methods, such as physical models and graphs, to solve real-world problems involving equations and inequalities.	No Correlation
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.	No Correlation
MA.E.1.2.2 Determines range, mean, median, and mode from sets of data.	No Correlation

FCAT	ABE
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.	No Correlation
MA.E.2.2.1 Uses models, such as tree diagrams, to display possible outcomes and to predict events.	No Correlation
MA.E.2.2.2 Predicts the likelihood of simple events occurring.	No Correlation

FCAT - ABE Correlation of Standards

MATHEMATICS STANDARDS — FCAT: Grade 5, ABE: 4.0-5.9

FCAT	ABE
MA.A.1.2.1 Names whole numbers combining 3-digit numeration (hundreds, tens, and 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.	**Standard 21** **Demonstrate proficiency in number sense, concepts, and operations involving fractions** 21.01 Associate commonly used fractions (1/2 , 1/4, 1/3, 3/4, and 2/3) to their respective spoken names, written names, and numerals. 21.02 Understand the relative size of commonly used fractions. 21.03 Understand that commonly used fractions can be represented in other equivalent forms, such as, decimals and percents (1/2 = 50% = .5). 21.04 Write numbers as fractions. 21.05 Understand the concepts of numerators and denominators. 21.06 Identify proper and improper fractions and mixed numbers. 21.07 Convert from mixed numbers to improper fractions. 21.08 Convert from improper fractions to mixed numbers. 21.09 Reduce common fractions to their lowest common denominator. 21.10 Convert fractions to equivalent fractions. 21.11 Add fractions with common denominators. 21.12 Subtract fractions with common denominators. 21.13 Multiply proper fractions. 21.14 Multiply proper fractions by whole numbers.
MA.A.1.2.2 Understands the relative size of whole numbers, commonly used fractions, decimals, and percents.	**Standard 17** **Show awareness of the ways whole numbers are represented and used in the real world** 17.01 Identify whole numbers containing up to 7-digit numeration (millions, thousands, hundreds, tens, and ones). 17.02 Associate whole numbers to their respective spoken names, written names, and numerals.

FCAT	ABE
MA.A.1.2.3 Understands concrete and symbolic representations of whole numbers, fractions, decimals, and percents in real-world situations.	**Standard 21** **Demonstrate proficiency in number sense, concepts, and operations involving fractions** 21.01 Associate commonly used fractions (1/2 , 1/4, 1/3, 3/4, and 2/3) to their respective spoken names, written names, and numerals. 21.02 Understand the relative size of commonly used fractions. 21.03 Understand that commonly used fractions can be represented in other equivalent forms such as decimals and percents (1/2 = 50% = .5). 21.04 Write numbers as fractions. 21.05 Understand the concepts of numerators and denominators. 21.06 Identify proper and improper fractions and mixed numbers. 21.07 Convert from mixed numbers to improper fractions. 21.08 Convert from improper fractions to mixed numbers. 21.09 Reduce common fractions to their lowest common denominators. 21.10 Convert fractions to equivalent fractions. 21.11 Add fractions with common denominators. 21.12 Subtract fractions with common denominators. 21.13 Multiply proper fractions. 21.14 Multiply proper fractions by whole numbers. **Standard 22** **Demonstrate proficiency with number sense, concepts, and operations involving decimals** 22.01 Associate decimals – including tenths, hundredths, and thousandths - to their respective spoken names, written names, and numerals. 22.02 Understand the relative size of decimals. 22.03 Understand that decimals can be represented in other equivalent forms, e.g., fractions. 22.04 Convert common fractions to decimals. 22.05 Convert decimals to common fractions. 22.06 Add and subtract decimals. 22.07 Select the appropriate operation to solve specific problems involving decimals. 22.08 Understand the relationship between money and decimals. 22.09 Solve real-world problems involving decimals.

FCAT	ABE
MA.A.1.2.4 Understands that numbers can be represented in a variety of equivalent forms using whole numbers, decimals, fractions, and percents.	**Standard 17** **Show awareness of the ways whole numbers are represented and used in the real world** 17.01 Identify whole numbers containing up to 7-digit numeration (millions, thousands, hundreds, tens, and ones). 17.02 Associate whole numbers to their respective spoken names, written names, and numerals. **Standard 21** **Demonstrate proficiency in number sense, concepts, and operations involving fractions** 21.01 Associate commonly used fractions (1/2 , 1/4, 1/3, 3/4, and 2/3) to their respective spoken names, written names, and numerals. 21.02 Understand the relative size of commonly used fractions. 21.03 Understand that commonly used fractions can be represented in other equivalent forms, such as, decimals and percents (1/2 = 50% = .5). 21.04 Write numbers as fractions. 21.05 Understand the concepts of numerators and denominators. 21.06 Identify proper and improper fractions and mixed numbers. 21.07 Convert from mixed numbers to improper fractions. 21.08 Convert from improper fractions to mixed numbers. 21.09 Reduce common fractions to their lowest common denominators. 21.10 Convert fractions to equivalent fractions. 21.11 Add fractions with common denominators. 21.12 Subtract fractions with common denominators. 21.13 Multiply proper fractions. 21.14 Multiply proper fractions by whole numbers. **Standard 22** **Demonstrate proficiency with number sense, concepts, and operations involving decimals** 22.01 Associate decimals – including tenths, hundredths, and thousandths - to their respective spoken names, written names and numerals. 22.02 Understand the relative size of decimals. 22.03 Understand that decimals can be represented in other equivalent forms, e.g., fractions. 22.04 Convert common fractions to decimals. 22.05 Convert decimals to common fractions. 22.06 Add and subtract decimals. 22.07 Select the appropriate operation to solve specific problems involving decimals. 22.08 Understand the relationship between money and decimals. 22.09 Solve real-world problems involving decimals.

FCAT	ABE
MA.A.2.2.1 Uses place-value concepts of grouping based upon powers of ten (thousandths, hundredths, tenths, ones, tens, hundreds, and thousands) within the decimal number system.	**Standard 22** **Demonstrate proficiency with number sense, concepts, and operations involving decimals** 22.01 Associate decimals – including tenths, hundredths, and thousandths to their respective spoken names, written names, and numerals.
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.	
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.	No Correlation
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.	**Standard 18** **Demonstrate proficiency in adding and subtracting whole numbers** 18.01 Add with and without regrouping a 1-, 2-, or 3-digit number to a 3-digit number given in vertical notation. 18.02 Add with and without regrouping three or four 3-digit numbers given in vertical notation. 18.03 Add with and without regrouping three or four 4-digit numbers given in vertical notation. 18.04 Subtract with and without regrouping two 3-digit numbers given in vertical notation. 18.05 Subtract with and without regrouping two 5-digit numbers given in both vertical and horizontal notation. 18.06 Borrow where the minuend is a digit followed by three zeros and regrouping is necessary, e.g., 6000 – 495. **Standard 19** **Multiply whole numbers** 19.01 Multiply a 2-digit number by a 2-digit number. 19.02 Multiply a 3-digit number by a 1-, 2-, or 3-digit number. 19.03 Multiply a 4-digit number by a 1-, 2-, or 3-digit number. 19.04 Demonstrate proof method for multiplication, e.g., 64 x 27 = 27 x 64.

FCAT	ABE
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.	**Standard 20** **Divide whole numbers** 20.01 Divide 3- or 4- digit numbers by a 1-digit number where the quotient is with or without a remainder. 20.02 Divide 3- or 4-digit numbers by a 2-digit number where the quotient is with and without a remainder. 20.03 Divide by a 3-digit number where the quotient is with or without a remainder. 20.04 Prove long-division problems. **Standard 21** **Demonstrate proficiency in number sense, concepts, and operations involving fractions** 21.01 Associate commonly used fractions (1/2 , 1/4, 1/3, 3/4, and 2/3) to their respective spoken names, written names, and numerals. 21.02 Understand the relative size of commonly used fractions. 21.03 Understand that commonly used fractions can be represented in other equivalent forms, such as, decimals and percents (1/2 = 50% = .5). 21.04 Write numbers as fractions. 21.05 Understand the concepts of numerators and denominators. 21.06 Identify proper and improper fractions and mixed numbers. 21.07 Convert from mixed numbers to improper fractions. 21.08 Convert from improper fractions to mixed numbers. 21.09 Reduce common fractions to their lowest common denominators. 21.10 Convert fractions to equivalent fractions. 21.11 Add fractions with common denominators. 21.12 Subtract fractions with common denominators. 21.13 Multiply proper fractions. 21.14 Multiply proper fractions by whole numbers. **Standard 22** **Demonstrate proficiency with number sense, concepts, and operations involving decimals** 22.01 Associate decimals – including tenths, hundredths, and thousandths - to their respective spoken names, written names, and numerals. 22.02 Understand the relative size of decimals. 22.03 Understand that decimals can be represented in other equivalent forms, e.g., fractions.

FCAT	ABE
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.	22.04 Convert common fractions to decimals. 22.05 Convert decimals to common fractions. 22.06 Add and subtract decimals. 22.07 Select the appropriate operation to solve specific problems involving decimals. 22.08 Understand the relationship between money and decimals. 22.09 Solve real-world problems involving decimals.
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.	**Standard 23** **Use estimation to problem solve and compute** 23.01 Use and justify different estimation strategies in a real-world problem situation, and determine the reasonableness of results of calculations in a given problem situation. 23.02 Solve real-world problems with the help of estimating measurements including length, time, weight, temperature, money, perimeter, area, and volume, and compare the results to actual measurements. 23.03 Round a whole number less than one million to any designated place. 23.04 Round fractions and mixed numbers to the nearest whole numbers. 23.05 Use rounding techniques to estimate the solution to a real-world addition or subtraction measurement problem; then determine the actual result.
MA.A.5.2.1 Understands and applies basic number theory concepts, including primes, composites, factors, and multiples.	No Correlation
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.	**Standard 24** **Demonstrate proficiency in measuring quantities and solving problems related to measurement** 24.01 Write abbreviations for length, weight, and capacity measurements in the customary* system. 24.02 Identify equal measures defined in different units. 24.03 Measure to the nearest 1/4 inch on a 12-inch ruler. 24.04 Solve measurement problems in the customary* system using addition or subtraction with no conversion. 24.05 Determine temperature using Fahrenheit or Celsius thermometer. 24.06 Determine capacity by measuring quantities in teaspoons, tablespoons, cups pints, quarts, gallons, and liters.

FCAT	ABE
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.	24.07 Recognize, use, measure, and interpret linear dimensions and geometric shapes. 24.08 Use and interpret measurement instruments, such as, rulers, scales, gauges, and dials. 24.09 Interpret diagrams, illustrations, and scale drawings. 24.10 Interpret spatial relationships, e.g., above, below, nearer, farther, and equidistant. 24.11 Interpret measurements in recipes. 24.12 Convert equivalent measurements, e.g., cups to quarts. *Customary refers to the system of measurement used in the United States
MA.B.1.2.2 Solves real-world problems involving length, weight, perimeter, area, capacity, volume, time, temperature, and angles.	**Standard 24** **Demonstrate proficiency in measuring quantities and solving problems related to measurement** 24.01 Write abbreviations for length, weight, and capacity measurements in the customary* system. 24.02 Identify equal measures defined in different units. 24.03 Measure to the nearest 1/4 inch on a 12-inch ruler. 24.04 Solve measurement problems in the customary* system using addition or subtraction with no conversion. 24.05 Determine temperature using a Fahrenheit or Celsius thermometer. 24.06 Determine capacity by measuring quantities in teaspoons, tablespoons, cups pints, quarts, gallons, and liters. 24.07 Recognize, use, measure, and interpret linear dimensions and geometric shapes. 24.08 Use and interpret measurement instruments; such as, rulers, scales, gauges, and dials. 24.09 Interpret diagrams, illustrations, and scale drawings. 24.10 Interpret spatial relationships, e.g., above, below, nearer, farther, and equidistant. 24.11 Interpret measurements in recipes. 24.12 Convert equivalent measurements, e.g., cups to quarts. *Customary refers to the system of measurement used in the United States

FCAT	ABE
MA.B.2.2.1 Uses direct (measured) and indirect (not measured) measure to calculate and compare measurable characteristics.	**Standard 23** **Use estimation to problem solve and compute** 23.01 Use and justify different estimation strategies in a real-world problem situation, and determine the reasonableness of results of calculations in a given problem situation. 23.02 Solve real-world problems with the help of estimating measurements including length, time, weight, temperature, money, perimeter, area, and volume, and compare the results to acutual measurements. 23.03 Round a whole number less that one million to any designated place. 23.04 Round fractions and mixed numbers to the nearest whole numbers. 23.05 Use rounding techniques to estimate the solution to a real-world addition or subtraction measurement problem; then determine the actual result. **Standard 24** **Demonstrate proficiency in measuring quantities and solving problems related to measurement** 24.01 Write abbreviations for length, weight, and capacity measurements in the customary* system. 24.02 Identify equal measures defined in different units. 24.03 Measure to the nearest 1/4 inch on a 12-inch ruler. 24.04 Solve measurement problems in the customary* system using addition or subtraction with no conversion. 24.05 Determine temperature using a Fahrenheit or Celsius thermometer. 24.06 Determine capacity by measuring quantities in teaspoons, tablespoons, cups pints, quarts, gallons, and liters. 24.07 Recognize, use, measure, and interpret linear dimensions, and geometric shapes. 24.08 Use and interpret measurement instruments; such as, rulers, scales, gauges, and dials. 24.09 Interpret diagrams, illustrations, and scale drawings. 24.10 Interpret spatial relationships, e.g., above, below, nearer, farther, and equidistant. 24.11 Interpret measurements in recipes. 24.12 Convert equivalent measurements, e.g., cups to quarts. *Customary refers to the system of measurement used in the United States

FCAT	ABE
MA.B.2.2.2 Selects and uses appropriate standard and non-standard units of measurement, according to type and size.	No Correlation
MA.B.3.2.1 Solves real-world problems involving estimates of measurements, including length, time, weight, temperature, money, perimeter, area, and volume.	**Standard 23** **Use estimation to problem solve and compute** 23.02 Solve real-world problems with the help of estimating measurements including length, time, weight, temperature, money, perimeter, area, and volume, and compare the results to actural measurements.
MA.B.4.2.1 Determine which units of measurement, such as seconds, square inches, and dollars per thankful, to use with answers to real-world problems.	No Correlation
MA.B.4.2.2 Selects and uses appropriate instruments and technology, including scales, rulers, thermometers, measuring cups, protractors, and gauges, to measure in real-world situations.	**Standard 24** **Demonstrate proficiency in measuring quantities and solving problems related to measurement** 24.08 Use and interpret measurement instruments, such as. rulers, scales, gauges, and dials.
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.	**Standard 24** **Demonstrate proficiency in measuring quantities and solving problems related to measurement** 24.01 Write abbreviations for length, weight, and capacity measurements in the customary* system. 24.02 Identify equal measures defined in different units. 24.03 Measure to the nearest 1/4 inch on a 12-inch ruler. 24.04 Solve measurement problems in the customary* system using addition or subtraction with no conversion. 24.05 Determine temperature using a Fahrenheit or Celsius thermometer. 24.06 Determine capacity by measuring quantities in teaspoons, tablespoons, cups pints, quarts, gallons, and liters. 24.07: Recognize, use, measure, and interpret linear dimensions and geometric shapes. 24.08 Use and interpret measurement instruments; such as, rulers, scales, gauges, and dials. 24.09 Interpret diagrams, illustrations, and scale drawings. 24.10 Interpret spatial relationships, e.g., above, below, nearer, farther, and equidistant. 24.11 Interpret measurements in recipes. 24.12 Convert equivalent measurements, e.g., cups to quarts. *Customary refers to the system of measurement used in the United States

FCAT	ABE
MA.C.2.2.1 Understands the concepts of spatial relationships, symmetry, reflections, congruency, and similarity.	**Standard 24** **Demonstrate proficiency in measuring quantities and solving problems related to measurement** 24.01 Write abbreviations for length, weight, and capacity measurements in the customary* system. 24.02 Identify equal measures defined in different units. 24.03 Measure to the nearest 1/4 inch on a 12-inch ruler. 24.04 Solve measurement problems in the customary* system using addition or subtraction with no conversion. 24.05 Determine temperature using a Fahrenheit or Celsius thermometer. 24.06 Determine capacity by measuring quantities in teaspoons, tablespoons, cups pints, quarts, gallons, and liters. 24.07 Recognize, use, measure, and interpret linear dimensions and geometric shapes. 24.08 Use and interpret measurement instruments such as rulers, scales, gauges, and dials. 24.09 Interpret diagrams, illustrations, and scale drawings. 24.10 Interpret spatial relationships, e.g., above, below, nearer, farther, and equidistant. 24.11 Interpret measurements in recipes. 24.12 Convert equivalent measurements, e.g., cups to quarts. *Customary refers to the system of measurement used in the United States
MA.C.2.2.2 Predicts, illustrates, and verifies which figures could result from a flip, slide, or turn of a given figure.	No Correlation
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.	**Standard 24** **Demonstrate proficiency in measuring quantities and solving problems related to measurement** 24.01 Write abbreviations for length, weight, and capacity measurements in the customary* system. 24.02 Identify equal measures defined in different units. 24.03 Measure to the nearest 1/4 inch on a 12-inch ruler. 24.04 Solve measurement problems in the customary* system using addition or subtraction with no conversion. 24.05 Determine temperature using Fahrenheit or Celsius thermometer. 24.06 Determine capacity by measuring quantities in teaspoons, tablespoons, cups pints, quarts, gallons, and liters.

FCAT	ABE
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.	24.07 Recognize, use, measure, and interpret linear dimensions, and geometric shapes. 24.08 Use and interpret measurement instruments; such as, rulers, scales, gauges, and dials. 24.09 Interpret diagrams, illustrations, and scale drawings. 24.10 Interpret spatial relationships, e.g., above, below, nearer, farther, and equidistant. 24.11 Interpret measurements in recipes. 24.12 Convert equivalent measurements, e.g., cups to quarts. *Customary refers to the system of measurement used in the United States
MA.C.3.2.2 Identifies and plots positive ordered pairs (whole numbers) in a rectangular coordinate system (graph).	No Correlation
MA.D.1.2.1 Describes a wide variety of patterns and relationships through models; such as, manipulatives, tables, graphs, and rules using algebraic symbols.	**Standard 25** **Demonstrate proficiency in solving problems involving algebra** 25.01 Describe a variety of patterns and relationships through models; such as, manipulatives, tables, graphs, and rules. 25.02 Translate a problem from words to a number symbol sentence, e.g., six plus one equals seven to 6 + 1 = 7. 25.03 Recognize simple algebraic formulas, e.g., 1 + 3 = x. 25.04 Recognize simple consumer formulas, e.g., units times price = cost. **Standard 26** **Interpret data from graphs, charts, and maps** 26.01 Solve problems by generating, collecting, organizing, displaying, and analyzing data using bar graphs, circle graphs, line graphs, pictographs, and charts. 26.02 Interpret data in charts, tables, plots, graphs, and maps. 26.03 Understand and find averages (means). 26.04 Locate a point on a highway map.

FCAT	ABE
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.	No Correlation
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.	**Standard 27** **Calculate differences to solve problems encountered in daily living** 27.01 Calculate reported differences, e.g., minutes spent working on two jobs. 27.02 Calculate the differences between two hourly wages. 27.03 Determine the net cost of groceries after deducting the value of coupons. 27.04 Calculate the difference between figures from a summarizing table. 27.05 Use hourly and daily wage rates to calculate the difference in earnings. 27.06 Determine the difference between lengths of business hours on weekdays and weekends. 27.07 Calculate the savings between two specific subscription rates. 27.08 Calculate the amount of increase using figures from a bar graph. 27.09 Determine daily earnings based on hourly rate and number of hours worked. 27.10 Use figures from a comparison table to calculate increases. 27.11 Total the amount of fines accrued for several driving violations.
MA.D.2.2.2 Uses informal methods, such as physical models and graphs, to solve real-world problems involving equations and inequalities.	**Standard 27** **Calculate differences to solve problems encountered in daily living** 27.01 Calculate reported differences, e.g., minutes spent working on two jobs. 27.02 Calculate the differences between two hourly wages. 27.03 Determine the net cost of groceries after deducting the value of coupons. 27.04 Calculate the difference between figures from a summarizing table. 27.05 Use hourly and daily wage rates to calculate the difference in earnings. 27.06 Determine the difference between lengths of business hours on weekdays and weekends. 27.07 Calculate the savings between two specific subscription rates. 27.08 Calculate the amount of increase using figures from a bar graph. 27.09 Determine daily earnings based on hourly rate and number of hours worked.

FCAT	ABE
MA.D.2.2.2 Uses informal methods, such as physical models and graphs, to solve real-world problems involving equations and inequalities.	27.10 Use figures from a comparison table to calculate increases. 27.11 Total the amount of fines accrued for several driving violations.
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.	**Standard 26** **Interpret data from graphs, charts, and maps** 26.01 Solve problems by generating, collecting, organizing, displaying, and analyzing data using bar graphs, circle graphs, line graphs, pictographs, and charts.
MA.E. 1.2.2 Determines range, mean, median, and mode from sets of data.	**Standard 26** **Interpret data from graphs, charts, and maps** 26.01 Solve problems by generating, collecting, organizing, displaying, and analyzing data using bar graphs, circle graphs, line graphs, pictographs, and charts.
MA.E.1.2.3 Analyzes real-world data to recognize patterns and relationships of the measure of central tendency using tables, charts, histograms, bar graphs, line graphs, pictographs, and circle graphs generated by appropriate technology, including calculators and computers.	**Standard 26** **Interpret data from graphs, charts, and maps** 26.01 Solve problems by generating, collecting, organizing, displaying, and analyzing data using bar graphs, circle graphs, line graphs, pictographs, and charts.
MA.E.2.2.1 Uses models, such as tree diagrams, to display possible outcomes and to predict events.	No Correlation
MA.E.2.2.2 Predicts the likelihood of simple events occurring.	No Correlation
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.	No Correlation
MA.E.3.2.2 Uses statistical data about life situations to make predictions, and justifies reasoning.	No Correlation

FCAT - ABE Correlation of Standards

MATHEMATICS STANDARDS — FCAT: Grade 8, ABE: 6.0-8.9

FCAT	ABE
MA.A.1.3.1 Associates verbal names, written word names, and standard numerals with integers, fractions, decimals; numbers expressed as percents; numbers with exponents; numbers in scientific notation; radicals; absolute value; and ratios.	**Standard 34** **Demonstrate proficiency in the mastery of number sense, concepts, and operations involving ratios and proportions** 34.01 Associate ratios to their respective spoken names, written names, and numerals. **Standard 35** **Demonstrate proficiency in the mastery of number sense, concepts, and operations involving percents** 35.01 Associate percents to their respective spoken names, written names, and numerals. **Standard 36** **Demonstrate proficiency in number sense, concepts, and operations involving integers** 36.01 Associate integers to their respective spoken names, written names, and numerals.
MA.A.1.3.2 Understands the relative size of integers, fractions, and decimals; numbers expressed as percents; numbers with exponents; numbers in scientific notation; radicals; absolute value; and ratios.	**Standard 32** **Demonstrate proficiency in number sense, concepts, and operations involving fractions** 32.03 Understand the relative size of fractions. **Standard 34** **Demonstrate proficiency in the mastery of number sense, concepts and operations involving ratios and proportions** 34.02 Understand the concept of ratio and proportion. **Standard 35** **Demonstrate proficiency in the mastery of number sense, concepts, and operations involving percents** 35.02 Understand the relative size of percents. **Standard 36** **Demonstrate proficiency in number sense, concepts, and operations involving integers** 36.04 Understand the relative size of integers.
MA.A.1.3.3 Understands concrete and symbolic representations of rational numbers and irrational numbers in real-world situations.	No Correlation

FCAT	ABE
MA.A.1.3.4 Understands that numbers can be represented in a variety of equivalent forms, including integers, fractions, decimals, percents, scientific notation, exponents, radicals, and absolute value.	**Standard 35** **Demonstrate proficiency in the mastery of number sense, concepts, and operations involving percents** 35.04 Understand that percents can be represented in a variety of equivalent forms.
MA.A.2.3.1 Understands and uses exponential and scientific notation.	No Correlation
MA.A.3.3.1 Understands and explains the effects of addition, subtraction, multiplication, and division on whole numbers and fractions, including mixed numbers and decimals, including the inverse relationships of positive and negative numbers.	No Correlation
MA.A.3.3.2 Selects the appropriate operation to solve problems involving addition, subtraction, multiplication, and division of rational numbers, ratios, proportions, and percents, including the appropriate application of the algebraic order of operations.	**Standard 32** **Demonstrate proficiency in number sense, concepts, and operations involving fractions** 32.11 Select the appropriate operation to solve specific problems involving fractions. **Standard 33** **Demonstrate proficiency in number sense, concepts, and operations involving decimals** 33.07 Select the appropriate operation to solve specific problems involving decimals. **Standard 34** **Demonstrate proficiency in the mastery of number sense, concepts, and operations involving ratios and proportions** 34.05 Select when to solve specific problems by using ratios or proportions. **Standard 36** **Demonstrate proficiency in number sense, concepts, and operations involving integers** 36.07 Select the appropriate operation to solve specific problems involving integers.

FCAT	ABE
MA.A.3.3.3 Adds, subtracts, multiplies, and divides whole numbers, decimals, and fractions, including mixed numbers, to solve real-world problems, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	**Standard 32** **Demonstrate proficiency in number sense, concepts, and operations involving fractions** 32.05 Add whole numbers, fractions, and mixed numbers with and without common denominators. 32.06 Subtract whole numbers, fractions, and mixed numbers with or without regrouping. 32.07 Multiply common fractions, mixed numbers, and whole numbers. 32.08 Divide fractions. 32.09 Divide whole numbers, fractions, and mixed numbers. 32.11 Select the appropriate operation to solve specific problems involving fractions. 32.12 Solve real-world problems involving fractions. **Standard 33** **Demonstrate proficiency in number sense, concepts, and operations involving decimals** 33.03 Multiply a decimal by a whole number and another decimal. 33.04 Divide a decimal by a whole number and a decimal. 33.05 Divide a whole number by a decimal. 33.08 Solve real-world problems involving decimals. **Standard 36** **Demonstrate proficiency in number sense, concepts, and operations involving integers** 36.05 Add, subtract, multiply, and divide integers. 36.07 Select the appropriate operation to solve specific problems involving integers. 36.08 Solve real-world problems involving integers.
MA.A.4.3.1 Uses estimation strategies to predict results and to check the reasonableness of results.	**Standard 38** **Use estimation skills to problem solve and compute** 38.01 Use estimation strategies to predict results and to check the reasonableness of data.
MA.A.5.3.1 Uses concepts about numbers, including, primes, factors, and multiples, to build number sequences.	**Standard 30** **Understand theories related to numbers** 30.01 Understand and apply basic number theory concepts; including, primes, composites, factors, and multiples.

FCAT	ABE
MA.B.1.3.1 Uses concrete and graphic models to derive formulas for finding perimeter, area, surface area, circumference, and volume of two- and three-dimensional shapes, including rectangular solids and cylinders.	**Standard 31** **Demonstrate proficiency in solving problems involving geometry** 31.01 Understand the concepts of spatial relationships, symmetry, reflections, congruency, and similarity. 31.02 Recognize and apply geometric formulas for perimeter and area of squares, rectangles and triangles, and cubes and rectangular solids. 31.03 Represent and apply a variety of strategies and geometric properties and formulas for 2- and 3- dimensional shapes to solve real-world and mathematical problems.
MA.B.1.3.2 Uses concrete and graphic models to derive formulas for finding rates, distance, time, and angle measures.	**Standard 31** **Demonstrate proficiency in solving problems involving geometry** 31.01 Understand the concepts of spatial relationships, symmetry, reflections, congruency, and similarity. 31.02 Recognize and apply geometric formulas for perimeter and area of squares, rectangles and triangles, and cubes and rectangular solids. 31.03 Represent and apply a variety of strategies and geometric properties and formulas for 2- and 3- dimensional shapes to solve real-world and mathematical problems.
MA.B.1.3.3 Understands and describes how the change of a figure in such dimensions as length, width, height, or radius affects its other measurements such as perimeter, area, surface area, and volume.	No Correlation
MA.B.1.3.4 Constructs, interprets, and uses scale drawing such as those based on number lines and maps to solve real-world problems.	**Standard 41** Interpret data from graphs, charts, and maps 41.01 Interpret and compare data from pictographs, circle graphs, bar graphs, and line graphs. 41.02 Use data from charts and tables to solve real-world problems, e.g., determine tax on purchases using a sales tax table or calculate tax from a withholding tax schedule or income tax schedule. 41.04 Use a scale to measure distance on a map. 41.05 Use given information and a time zone map to calculate arrival time according to a given time zone. 41.06 Use a map showing time zones to determine the time in one location given the specified time in another.

FCAT	ABE
MA.B.2.3.1 Uses direct (measured) and indirect (not measured) measures to compare a given characteristic in either metric or customary units.	**Standard 39** **Demonstrate proficiency in measuring quantities and solving problems related to measurement** 39.01 Identify the customary* measures most appropriate for a given situation. *Customary refers to the system of measurement used in the United States
MA.B.2.3.2. Solves problems involving units of measure, and converts answers to a larger or smaller unit within either the metric or customary* system.	**Standard 39** **Demonstrate proficiency in measuring quantities and solving problems related to measurement** 39.09 Solve problems involving units of measure, and convert answers to a larger or smaller unit within either the metric or customary* system. *Customary refers to the system of measurement used in the United States
MA.B.3.3.1 Solves real-world and mathematical problems involving estimates of measurements including length, time, weight/mass, temperature, money, perimeter, area, and volume, in either customary or metric units.	**Standard 39** **Demonstrate proficiency in measuring quantities and solving problems related to measurement** 39.01 Identify the customary* measures most appropriate for a given situation. 39.02 Convert within the customary* system of measures for length, weight, or capacity, e.g., yards, feet, inches, tons, pounds, ounces, cups, pints, quarts, or gallons. 39.03 Solve linear measurement problems with inches, feet, or yards. 39.04 Solve capacity problems with cups, pints, quarts, or gallons. 39.05 Solve mass/weight problems with ounces, pounds, or tons. 39.06 Identify metric units of measure for length, weight/mass, or capacity (meter, gram, or liter) most appropriate for a given situation. *Customary refers to the system of measurement used in the United States
MA.C.1.3.1. Understands the basic properties of, and relationships pertaining to, regular and irregular geometric shapes in two and three dimensions.	**Standard 37** **Demonstrate proficiency in number sense, concepts, and operations involving geometry** 37.01 Recognize and understand the basic properties of the following geometric shapes in two and three dimension: circle, square, rectangle, triangle, parallelogram, pentagon, cube, rectangular solid, pyramid, cone, and cylinder.

FCAT	ABE
MA.C.2.3.1 Understands the geometric concepts of symmetry, reflections, congruency, similarity, perpendicularity, parallelism, and transformations, including flips, slides, turns and enlargements.	**Standard 37** **Demonstrate proficiency in number sense, concepts, and operations involving geometry** 37.08 Represent and apply a variety of strategies and geometric properties and formulas for 2- and 3-dimensional shapes to solve real-world and mathematical problems.
MA.C.2.3.2 Predicts and verifies patterns involving tessellations (a covering of a plane with congruent copies of the same pattern with no holes and no overlaps, like floor tiles.)	No Correlation
MA.C.3.3.1 Represents and applies geometric properties and relationships to solve real-world and mathematical problems.	**Standard 37** **Demonstrate proficiency in number sense, concepts, and operations involving geometry** 37.08 Represent and apply a variety of strategies and geometric properties and formulas for 2- and 3-dimensional shapes to solve real-world and mathematical problems.
MA.C.3.3.2 Identifies and plots ordered pairs in all four quadrants of a rectangular coordinate system (graph) and applies simple properties of lines.	No Correlation
MA.D.1.3.1 Describes a wide variety of patterns, relationships, and functions through models, such as manipulatives, tables, graphs, expressions, equations, and inequalities.	No Correlation
MA.D.1.3.2 Creates and interprets tables, graphs, equations, and verbal descriptions to explain cause-and-effect relationships.	No Correlation
MA.D.2.3.1 Represents and solves real-world problems graphically, with algebraic expressions, equations, and inequalities.	**Standard 36** **Demonstrate proficiency in number sense, concepts, and operations involving integers** 36.08 Solve real-world problems involving integers. **Standard 41** **Interpret data from graphs, charts, and maps** 41.01 Interpret and compare data from pictographs, circle graphs, bar graphs, and line graphs.

FCAT	ABE
MA.D.2.3.2 Uses algebraic problem-solving strategies to solve real-world problems involving linear equations and inequalities.	No Correlation
MA.E.1.3.1 Collects, organizes, and displays data in a variety of forms, including tables, line graphs, charts, and bar graphs, to determine how different ways of presenting data can lead to different interpretations.	**Standard 41** **Interpret data from graphs, charts, and maps** 41.01 Interpret and compare data from pictographs, circle graphs, bar graphs, and line graphs.
MA.E.1.3.2 Understands and applies the concepts of range and central tendency (mean, median, and mode.)	No Correlation
MA.E.1.3.3 Analyzes real-world data by applying appropriate formulas for measures for central tendency and organizing data in a quality display, using appropriate technology, including calculators and computers.	No Correlation
MA.E.2.3.1 Compares experimental results with mathematical expectations of probabilities.	No Correlation
MA.E.2.3.2 Determines odds for and odds against a given situation.	**Standard 34** **Demonstrate proficiency in the mastery of number sense, concepts, and operations involving ratios and proportions** 34.01 Associate ratios to their respective spoken names, written names, and numerals. 34.02 Understand the concept of ratio and proportion. 34.03 Identify concrete and symbolic representations of ratios in real-world situations. 34.04 Understand that ratios can be represented in other equivalent forms. 34.05 Select when to solve specific problems by using ratios or proportions. 34.06 Solve real-world problems involving ratios and proportions. 34.07 Demonstrate the process of cross-multiplying to solve proportion.

FCAT	ABE
MA.E.3.3.1 Formulates hypotheses, designs experiments, collects and interprets data, and evaluates hypotheses by making inferences and drawing conclusions based on statistics (range, mean, median, and mode) and tables, graphs, and charts.	No Correlation
MA.E.3.3.2 Identifies the common uses and misuses of probability and statistical analysis in the everyday world.	No Correlation

FCAT - ABE Correlation of Standards

READING STANDARDS

FCAT: Grade 3, ABE: 0.0-1.9

FCAT	ABE
LA.A.1.2.3 Uses simple strategies to determine meaning and increase vocabulary for reading, including the use of prefixes, suffixes, root words, multiple meanings, antonyms, synonyms, and word relationships.	**Standard 3** **Demonstrate knowledge of basic vocabulary** 03.02 Identify the meanings of frequently used words presented in context.
LA.A.2.2.1 Reads text and determines the main idea or essential message, identifies relevant supporting details and facts, and arranges events in chronological order.	**Standard 4** **Demonstrate literal comprehension skills** 04.01 Determine the main idea and factual details of a paragraph. 04.02 Identify the order of events in a paragraph. 04.06 Determine the meaning of a sentence that contains negative words. 04.07 Distinguish verbs denoting the past, present, or future.
LA.A.2.2.2 Identifies the author's purpose in a simple text.	**Standard 5** **Demonstrate evaluative comprehension skills** 05.01 Distinguish between fact and fiction in a paragraph, assisted by discussion and/or teacher guidance.
LA.A.2.2.3 Recognizes when a text is primarily intended to persuade.	**Standard 6** **Understand how word choice affects meaning** 06.01 Understand that word choice can shape ideas, feelings, and actions.
LA.A.2.2.5 Reads and organizes information for a variety of purposes, including making a report, conducting interviews, taking a test, and performing an authentic task.	No Correlation
LA.A.2.2.7 Recognizes the use of comparison and contrast in a text.	No Correlation
LA.A.2.2.8 Selects and uses a variety of appropriate reference materials, including multiple representations of information, such as maps, charts, and photos, to gather information for research projects.	No Correlation

FCAT	ABE
LA.E.1.2.2 Understands the development of plot and how conflicts are resolved in a story.	**Standard 7** **Respond critically to fiction, non-fiction, poetry, or drama** 07.01 Identify story elements of setting, character, problem, and solution/resolution.
LA.E.1.2.3 Knows the similarities and differences among the characters, settings, and events presented in various texts.	No correlation.
LA.E.2.2.1 Recognizes cause-and-effect relationships in literary texts. [Applies to fiction, non-fiction, poetry, and drama.]	No correlation.

FCAT - ABE Correlation of Standards

READING STANDARDS — FCAT: Grade 3, ABE: 2.0-3.9

FCAT	ABE
LA.A.1.2.3 Uses simple strategies to determine meaning and increase vocabulary for reading, including the use of prefixes, suffixes, root words, multiple meanings, antonyms, synonyms, and word relationships.	**Standard 8** **Demonstrate basic understanding of phonics and structural analysis as tools for reading development** 08.08 Identify root words. 08.09 Identify words with prefixes to determine meaning and increase vocabulary. 08.10 Identify words with suffixes to determine meaning and increase vocabulary.
LA.A.2.2.1 Reads text and determines the main idea or essential message, identifies relevant supporting details and facts, and arranges events in chronological order.	**Standard 10** **Construct meaning from a wide range of texts, literary forms, and printed materials** 10.02 Determine the main idea or essential message from a text and identify supporting information. 10.03 Answer "who," "what," and "where" questions about sentences and paragraphs.
LA.A.2.2.2 Identifies the author's purpose in a simple text.	**Standard 13** **Understand how word choices affect meaning** 13.01 Recognize that a writer's word choice may influence how a reader thinks and feels. **Standard 14** **Understand the distinguishing features of a variety of literary forms** 14.01 Distinguish between fact and fiction.
LA.A.2.2.3 Recognizes when a text is primarily intended to persuade.	**Standard 13** **Understand how word choices affect meaning** 13.01 Recognize that a writer's word choice may influence how a reader thinks and feels. **Standard 14** **Understand the distinguishing features of a variety of literary forms** 14.01 Distinguish between fact and fiction.

FCAT	ABE
LA.A.2.2.5 Reads and organizes information for a variety of purposes, including making a report, conducting interviews, taking a test, and performing an authentic task.	**Standard 10** **Construct meaning from a wide range of texts, literary forms, and printed materials** 10.01 Identify words and construct meaning from text, illustrations, graphics, and charts using the strategies of phonics, word structure, and context clues. 10.04 Follow simple written directions. 10.06 Use simple references to obtain information, e.g., beginner's dictionary, glossary, etc. **Standard 12** **Demonstrate evaluative comprehension skills** 12.02 Appropriately evaluate information from pictures, maps, or signs to answer informational questions.
LA.A.2.2.7 Recognizes the use of comparison and contrast in a text.	**Standard 11** **Demonstrate inferential comprehension skills** 11.01 Identify the meanings of words in context using compare and/or contrast clues.
LA.A.2.2.8 Selects and uses a variety of appropriate reference materials, including multiple representations of information, such as maps, charts, and photos to gather information for research projects.	**Standard 10** **Construct meaning from a wide range of texts, literary forms, and printed materials** 10.01 Identify words and construct meaning from text, illustrations, graphics, and charts using the strategies of phonics, word structure, and context clues. 10.04 Follow simple written directions. 10.06 Use simple references to obtain information, e.g., beginner's dictionary, glossary, etc.
LA.E.1.2.2 Understands the development of plot and how conflicts are resolved in a story.	**Standard 14** **Understand the distinguishing features of a variety of literary forms** 14.02 Identify story elements, including setting, plot, character, problem, and solution/ resolution.
LA.E.1.2.3 Knows the similarities and differences among the characters, settings, and events presented in various texts.	No Correlation
LA.E.2.2.1 Recognizes cause-and-effect relationships in literary texts. [Applies to fiction, non-fiction, poetry, and drama.]	**Standard 11** **Demonstrate inferential comprehension skills** 11.02 Identify the cause or effect implied in a paragraph.

FCAT - ABE Correlation of Standards

READING STANDARDS

FCAT: Grade 5, ABE: 4.0-5.9

FCAT	ABE
LA.A.1.2.3 Uses simple strategies to determine meaning and increase vocabulary for reading, including the use of prefixes, suffixes, root words, multiple meanings, antonyms, synonyms, and word relationships.	**Standard 15** **Demonstrate basic understanding of phonics and structural analysis as tools for reading** 15.01 Recognize synonyms, antonyms, and homonyms. 15.02 Define multiple-meaning words. 15.03 Understand how punctuation affects text.
LA.A.2.2.1 Reads text and determines the main idea or essential message, identifies relevant supporting details and facts, and arranges events in chronological order.	**Standard 17** **Demonstrate literal comprehension skills** 17.01 Determine the main idea or essential message of a text and identify relevant supporting details and facts. 17.05 Describe sequence of events in context.
LA.A.2.2.2 Identifies the author's purpose in a simple text.	**Standard 19** **Demonstrate evaluative comprehension skills** 19.01 Identify the author's purpose. 19.02 Recognize whether a text is primarily intended to persuade, inform, or entertain. 19.03 Recognize the difference between fact and opinion. 19.09 Draw conclusions from information in an article of fact or fiction.
LA.A.2.2.3 Recognizes when a text is primarily intended to persuade.	**Standard 19** **Demonstrate evaluative comprehension skills** 19.01 Identify the author's purpose. 19.02 Recognize whether a text is primarily intended to persuade, inform, or entertain. 19.03 Recognize the difference between fact and opinion. 19.09 Draw conclusions from information in an article of fact or fiction.
LA.A.2.2.5 Reads and organizes information for a variety of purposes, including making a report, conducting interviews, taking a test, and performing an authentic task.	No Correlation
LA.A.2.2.7 Recognizes the use of comparison and contrast in a text.	**Standard 19** **Demonstrate evaluative comprehension skills** 19.05 Recognize the use of a compare and contrast structure.

FCAT	ABE
LA.A.2.2.8 Selects and uses a variety of appropriate reference materials, including multiple representations of information, such as maps, charts, and photos to gather information for research projects.	**Standard 19** **Demonstrate evaluative comprehension skills** 19.06 Obtain and evaluate information from pictures, maps, signs, diagrams, tables, graphs, or schedules. 19.07 Select and explore sources, such as, a dictionary, encyclopedia, atlas, directory, newspaper, and thesaurus, to obtain information for a specific task, such as, research. 19.08 Obtain appropriate information from an index and a table of contents.
LA.E.1.2.2 Understands the development of plot and how conflicts are resolved in a story.	**Standard 21** **Demonstrate understanding of a variety of literary forms** 21.03 Explain the development of plot and conflict resolution in a story.
LA.E.1.2.3 Knows the similarities and differences among the characters, settings, and events presented in various texts.	**Standard 21** **Demonstrate understanding of a variety of literary forms** 21.04 Identify the characters, setting, and events presented in various texts.
LA.E.2.2.1 Recognizes cause-and-effect relationships in literary texts. [Applies to fiction, non-fiction, poetry, and drama.]	**Standard 22** **Respond critically to fiction, poetry, drama, and essay** 22.01 Recognize cause-and-effect relationships in literary texts.

FCAT - ABE Correlation of Standards

READING STANDARDS — FCAT: Grade 8, ABE: 6.0-8.9

FCAT	ABE
LA.A.1.3.2 Uses a variety of strategies to analyze words and text, draw conclusions, use context and word structure clues, and recognize organizational patterns.	**Standard 24** **Demonstrate knowledge of basic vocabulary** 24.01 Use a variety of strategies to analyze words in context. 24.02 Employ consistent and effective use of interpersonal and academic vocabularies in reading, writing, listening, and speaking. 24.03 Use vocabulary in content areas.
LA.A.2.2.2 Identifies the author's purpose in a simple text.	**Standard 27** **Demonstrate evaluative comprehension skills** 27.02 Identify an author's purpose and/or point of view.
LA.A.2.2.3 Recognizes when a text is primarily intended to persuade.	**Standard 26** **Demonstrate inferential comprehension skills** 26.01 Predict probable outcomes from knowledge of events obtained from a reading selection. 26.02 Select an appropriate title based on interpretation of a given article. 26.03 Identify and interpret information from a wide range of text, literary forms, and printed materials. **Standard 27** **Demonstrate evaluative comprehension skills** 27.02 Identify an author's purpose and/or point of view.
LA.A.2.2.7 Recognizes the use of comparison and contrast in a text.	No Correlation
LA.A.2.3.1 Determines the main idea or essential message in a text, and identifies relevant details and facts and patterns of organization.	**Standard 25** **Demonstrate literal comprehension skills** 25.01 Determine the main idea or essential message in a variety of printed materials. 25.02 Identify relevant details, facts, and patterns of organization in a variety of printed materials.

FCAT	ABE
LA.A.2.3.2 Identifies the author's purpose and/or point of view in a variety of texts, and uses the information to construct meaning.	**Standard 26** **Demonstrate inferential comprehension skills** 26.03 Identify and interpret information from a wide range of text, literary forms, and printed materials. **Standard 27** **Demonstrate evaluative comprehension skills** 27.02 Identify an author's purpose and/or point of view.
LA.A.2.3.5 Locates, organizes, and interprets written information for a variety of purposes, including classroom research, collaborative decision-making, and performing a school or real-world task.	**Standard 27** **Demonstrate evaluative comprehension skills** 27.01 Locate, organize, and interpret written information for a variety of purposes, e.g., class research, collaborative decision-making, and class or real-world tasks. **Standard 30** **Respond critically to fiction, poetry, drama, and essay** 30.03 Develop essays to answer specific, evaluative research questions.
LA.A.2.3.6 Uses a variety of reference materials, including indexes, magazines, newspapers, journals, and tools, including card catalogs and computer catalogs, to gather information for research projects.	**Standard 27** **Demonstrate evaluative comprehension skills** 27.01 Locate, organize, and interpret written information for a variety of purposes, e.g., class research, collaborative decision-making, and class or real-world tasks. 27.04 Gather information from a variety of reference materials and tools, e.g., table of contents, indexes, magazines, newspapers, journals, and computer catalogs, and evaluate which information best serves the student's purpose.

FCAT	ABE
LA.A.2.3.7 Synthesizes and separates collected information into useful components using a variety of techniques, such as source cards, note cards, spreadsheets, and outlines.	**Standard 27** **Demonstrate evaluative comprehension skills** 27.01 Locate, organize, and interpret written information for a variety of purposes, e.g., class research, collaborative decision-making, and class or real-world tasks. 27.02 Identify an author's purpose and/or point of view. 27.03 Evaluate the validity and accuracy of information by differentiating fact from opinion. 27.04 Gather information from a variety of reference materials and tools, e.g., table of contents, indexes, magazines, newspapers, journals, and computer catalogs, and evaluate which information best serves the student's purpose.
LA.A.2.3.8 Checks the validity and accuracy of information obtained from research, in such ways as differentiating fact and opinion, identifying strong vs. weak arguments, and recognizing that personal values influence the conclusions an author draws.	**Standard 28** **Demonstrate understanding of how word choice affects meaning** 28.01 Identify language that shapes reactions, perceptions, and beliefs. 28.02 Use literary devices and techniques in the comprehension and creation of written, oral, or visual communications. 28.03 Distinguish between emotional and logical arguments.
LA.E.1.3.2 Recognizes complex elements of plot, including setting, character development, conflicts, and resolutions.	**Standard 29** **Demonstrate understanding of the distinctive features in literary forms** 29.02 Recognize complex elements of plot; such as, setting, character development, conflict, and resolution.
LA.E.2.2.1 Recognizes cause-and-effect relationships in literary texts. [Applies to fiction, non-fiction, poetry, and drama.]	**Standard 30** **Respond critically to fiction, poetry, drama, and essay** 30.01 Identify the effects of the attitudes and values of a time period or culture on a specific piece of writing.

FCAT	ABE
LA.E.2.3.1 Understands how character and plot development, point of view, and tone are used in various selections to support a central conflict or story line.	**Standard 29** **Demonstrate understanding of the distinctive features in literary forms** 29.01 Identify the defining characteristics of classic literature, e.g., timelessness, dealing with universal themes and experiences, and communicating across cultures. 29.02 Recognize complex elements of plot; such as, setting, character development, conflict, and resolution. 29.03 Understand various elements of word choice, symbolism, figurative language, mood, irony, foreshadowing, flashback, persuasion, and point-of-view. 29.04 Know how mood or meaning is conveyed in poetry through word choice, dialect, invented words, concrete or abstract terms, sensory or figurative language, use of sentence structure, line length, punctuation, and rhythm. 29.05 Identify universal themes in literature.