

Grade	1	General Skill(s)
Subject	Mathematics	1,C,108: Collecting & Interpreting Data*
Standard	Data, Probability and Statistics	Skill Tree(s)
Code	0106.5.4	90MC: Data Management and Probability K-3
Grade/Course Level Expectation		
Checks for Understanding	Count and compare collected data.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,6: Word Problems I
Standard	Mathematical Processes	2,C,7: Word Problems II
Code	GLE 0206.1.1	2,C,8: Multiplication
Grade/Course Level Expectation	Use mathematical language, symbols, and definitions while developing mathematical reasoning.	2,C,9: Division
Checks for Understanding		2,C,12: Number Sentences
State Performance Indicators		2,C,15: Addition
Detail		2,C,16: Subtraction
		2,C,20: Standard & Expanded Notation
		Skill Tree(s)
		137SB: Math Strategies 1-3
		4LG: Number Facts: Advanced
		63LG: Number Facts: Beginning
		86MC: Numeration K-3
		213MC: Principles of Math: Advanced
		5SB: Whole Numbers: Beginning
		212MC: Principles of Math: Beginning
		85MC: Number Sense K-3

Grade 2
Subject Mathematics
Standard Mathematical Processes
Code GLE 0206.1.2
Grade/Course Level Expectation Apply and adapt a variety of appropriate strategies to problem solving, including estimation, and reasonableness of the solution.

Checks for Understanding

State Performance Indicators

Detail

General Skill(s)
 2,C,6: Word Problems I
 2,C,7: Word Problems II
 2,C,8: Multiplication
 2,C,9: Division
 2,C,12: Number Sentences
 2,C,15: Addition
 2,C,16: Subtraction
 2,C,20: Standard & Expanded Notation

Skill Tree(s)
 137SB: Math Strategies 1-3
 4LG: Number Facts: Advanced
 63LG: Number Facts: Beginning
 86MC: Numeration K-3
 213MC: Principles of Math: Advanced
 5SB: Whole Numbers: Beginning
 212MC: Principles of Math: Beginning
 85MC: Number Sense K-3

Grade 2
Subject Mathematics
Standard Mathematical Processes
Code GLE 0206.1.3
Grade/Course Level Expectation Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas.

Checks for Understanding

State Performance Indicators

Detail

General Skill(s)
 2,C,6: Word Problems I
 2,C,7: Word Problems II
 2,C,8: Multiplication
 2,C,9: Division
 2,C,12: Number Sentences
 2,C,15: Addition
 2,C,16: Subtraction
 2,C,20: Standard & Expanded Notation

Skill Tree(s)
 137SB: Math Strategies 1-3
 4LG: Number Facts: Advanced
 63LG: Number Facts: Beginning
 86MC: Numeration K-3
 213MC: Principles of Math: Advanced
 5SB: Whole Numbers: Beginning
 212MC: Principles of Math: Beginning
 85MC: Number Sense K-3

Grade	2	General Skill(s)
Subject	Mathematics	2,C,6: Word Problems I
Standard	Mathematical Processes	2,C,7: Word Problems II
Code	GLE 0206.1.4	2,C,8: Multiplication
Grade/Course Level Expectation	Move flexibly between concrete and abstract representations of mathematical ideas in order to solve problems, model mathematical ideas, and communicate solution strategies.	2,C,9: Division
Checks for Understanding		2,C,12: Number Sentences
State Performance Indicators		2,C,15: Addition
Detail		2,C,16: Subtraction
		2,C,20: Standard & Expanded Notation
		Skill Tree(s)
		137SB: Math Strategies 1-3
		4LG: Number Facts: Advanced
		63LG: Number Facts: Beginning
		86MC: Numeration K-3
		213MC: Principles of Math: Advanced
		5SB: Whole Numbers: Beginning
		212MC: Principles of Math: Beginning
		85MC: Number Sense K-3

Grade	2	General Skill(s)
Subject	Mathematics	2,C,6: Word Problems I
Standard	Mathematical Processes	2,C,7: Word Problems II
Code	GLE 0206.1.5	Skill Tree(s)
Grade/Course Level Expectation	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.	137SB: Math Strategies 1-3
Checks for Understanding		
State Performance Indicators		
Detail		

Grade 2
Subject Mathematics
Standard Mathematical Processes
Code GLE 0206.1.6
Grade/Course Level Expectation Read and interpret the language of mathematics and use written/oral communication to express mathematical ideas precisely.

Checks for Understanding

State Performance Indicators

Detail

General Skill(s)

This specific standard is either not effectively assessed or taught using technology, or is not addressed in this version of Orchard through content or assessments at this grade level.

Skill Tree(s)

Orchard Skill Trees are not currently correlated to this specific standard. See above for details.

Grade 2
Subject Mathematics
Standard Mathematical Processes
Code GLE 0206.1.7
Grade/Course Level Expectation Recognize the historical development of mathematics, mathematics in context, and the connections between mathematics and the real world.

Checks for Understanding

State Performance Indicators

Detail

General Skill(s)

This specific standard is either not effectively assessed or taught using technology, or is not addressed in this version of Orchard through content or assessments at this grade level.

Skill Tree(s)

Orchard Skill Trees are not currently correlated to this specific standard. See above for details.

Orchard Correlation to the Tennessee Curriculum Standards



Grade	2	General Skill(s)	
Subject	Mathematics		This specific standard is either not effectively assessed or taught using technology, or is not addressed in this version of Orchard through content or assessments at this grade level.
Standard	Mathematical Processes		
Code	GLE 0206.1.8		
Grade/Course Level Expectation	Use technologies/manipulatives appropriately to develop understanding of mathematical algorithms, to facilitate problem solving, and to create accurate and reliable models of mathematical concepts.	Skill Tree(s)	Orchard Skill Trees are not currently correlated to this specific standard. See above for details.
Checks for Understanding			
State Performance Indicators			
Detail			

Grade	2	General Skill(s)	
Subject	Mathematics		2,C,4: Measurement & Time
Standard	Mathematical Processes	Skill Tree(s)	
Code	0206.1.1		1LG: Time 88MC: Measurement 2-3 137SB: Math Strategies 1-3
Grade/Course Level Expectation			
Checks for Understanding	Read and write time up to five-minute intervals.		
State Performance Indicators			
Detail			

Grade	2	General Skill(s)
Subject	Mathematics	2,C,22: Ordinal Numbers & Calendars
Standard	Mathematical Processes	Skill Tree(s)
Code	0206.1.2	85MC: Number Sense K-3 88MC: Measurement 2-3
Grade/Course Level Expectation		
Checks for Understanding	Relate days, dates, weeks, months, and years to a calendar.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,4: Measurement & Time
Standard	Mathematical Processes	Skill Tree(s)
Code	0206.1.3	1LG: Time 88MC: Measurement 2-3 137SB: Math Strategies 1-3
Grade/Course Level Expectation		
Checks for Understanding	Use strategies to make estimates of time.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,4: Measurement & Time
Standard	Mathematical Processes	Skill Tree(s)
Code	0206.1.4	1LG: Time
Grade/Course Level Expectation		88MC: Measurement 2-3 137SB: Math Strategies 1-3
Checks for Understanding	Solve problems involving elapsed time in hour and half-hour intervals.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,18: Money
Standard	Mathematical Processes	Skill Tree(s)
Code	0206.1.5	2LG: Money
Grade/Course Level Expectation		86MC: Numeration K-3 88MC: Measurement 2-3
Checks for Understanding	Count the value of a set of coins up to one dollar and use the transitive property of equality to recognize equivalent forms of values up to \$1.00.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,104: Temperature*
Standard	Mathematical Processes	Skill Tree(s)
Code	0206.1.6	87MC: Measurement 2-3
Grade/Course Level Expectation		
Checks for Understanding	Read thermometers with Fahrenheit and Celsius scales.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,110: Measurement Concepts*
Standard	Mathematical Processes	2,C,23: Measurement Relationships
Code	0206.1.7	Skill Tree(s)
Grade/Course Level Expectation		85MC: Number Sense K-3 87MC: Measurement K-1 88MC: Measurement 2-3
Checks for Understanding	Measure weight to the nearest pound or kilogram.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,25: Fractions
Standard	Mathematical Processes	Skill Tree(s)
Code	0206.1.8	137SB: Math Strategies 1-3
Grade/Course Level Expectation		
Checks for Understanding	Use concrete models or pictures to show whether a fraction is less than a half, more than a half, or equal to a half.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,25: Fractions
Standard	Mathematical Processes	Skill Tree(s)
Code	0206.1.9	137SB: Math Strategies 1-3
Grade/Course Level Expectation		
Checks for Understanding	Match the spoken, written, concrete, and pictorial representations of halves, thirds, and fourths.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)	2,C,15: Addition 2,C,16: Subtraction
Subject	Mathematics		
Standard	Mathematical Processes		
Code	0206.1.10	Skill Tree(s)	3LG: Number Facts: Beginning 5SB: Whole Numbers: Beginning 63LG: Number Facts: Beginning 86MC: Numeration 212MC: Principles of Math: Beginning 213MC: Principles of Math: Advanced
Grade/Course Level Expectation			
Checks for Understanding	Develop a story problem that illustrates a given addition or subtraction number sentence.		
State Performance Indicators			
Detail			

Grade	2	General Skill(s)	2,C,15: Addition 2,C,16: Subtraction
Subject	Mathematics		
Standard	Mathematical Processes		
Code	0206.1.11	Skill Tree(s)	3LG: Number Facts: Beginning 5SB: Whole Numbers: Beginning 63LG: Number Facts: Beginning 86MC: Numeration 212MC: Principles of Math: Beginning 213MC: Principles of Math: Advanced
Grade/Course Level Expectation			
Checks for Understanding	Use manipulatives to demonstrate addition and subtraction sentences written symbolically.		
State Performance Indicators			
Detail			

Grade 2
Subject Mathematics
Standard Mathematical Processes
Code 0206.1.12
Grade/Course Level Expectation
Checks for Understanding Write numbers and translate word clues to number sentences and vice versa.

General Skill(s)
2,C,130: Counting*
2,C,20: Standard & Expanded Notation

Skill Tree(s)
85MC: Number Sense K-3
137SB: Math Strategies 1-3
212MC: Principles of Math: Beginning

State Performance Indicators

Detail

Grade 2
Subject Mathematics
Standard Mathematical Processes
Code 0206.1.13
Grade/Course Level Expectation
Checks for Understanding Use manipulatives such as pattern blocks, tangrams, etc. to explore geometric concepts of symmetry and transformations.

General Skill(s)
2,C,109: Symmetry*

Skill Tree(s)
89MC: Geometry K-3

State Performance Indicators

Detail

Grade 2
Subject Mathematics
Standard Mathematical Processes
Code 0206.1.14
Grade/Course Level Expectation
Checks for Understanding Create and observe numerical patterns on a calculator by repeatedly adding or subtracting the same number from some starting number.
State Performance Indicators
Detail

General Skill(s)
2,C,15: Addition
2,C,16: Subtraction
2,C,22: Ordinal Numbers & Calendars
Skill Tree(s)
3LG: Number Facts: Beginning
5SB: Whole Numbers: Beginning
63LG: Number Facts: Beginning
85MC: Number Sense K-3
86MC: Numeration
212MC: Principles of Math: Beginning
213MC: Principles of Math: Advanced

Grade 2
Subject Mathematics
Standard Mathematical Processes
Code 0206.1.15
Grade/Course Level Expectation
Checks for Understanding Use age-appropriate books, stories, and videos to convey ideas of mathematics.
State Performance Indicators
Detail

General Skill(s)
2,C,6: Word Problems I
2,C,7: Word Problems II
Skill Tree(s)
137SB: Math Strategies 1-3

Orchard Correlation to the Tennessee Curriculum Standards



Grade 2
Subject Mathematics
Standard Number and Operations
Code GLE 0206.2.1
Grade/Course Level Expectation Understand and use place value concepts to 1000.
Checks for Understanding

State Performance Indicators

Detail

General Skill(s)
2,C,130: Counting*
2,C,135: Place Value*

Skill Tree(s)
85MC: Number Sense
212MC: Principles of Math: Beginning

Grade 2
Subject Mathematics
Standard Number and Operations
Code GLE 0206.2.2
Grade/Course Level Expectation Understand and use the base-ten numeration system.
Checks for Understanding

State Performance Indicators

Detail

General Skill(s)
2,C,130: Counting*

Skill Tree(s)
212MC: Principles of Math: Beginning

Grade 2
Subject Mathematics
Standard Number and Operations
Code GLE 0206.2.3
Grade/Course Level Expectation Use efficient and accurate strategies to develop fluency with multi-digit addition and subtraction.
Checks for Understanding

General Skill(s)
 2,C,15: Addition
 2,C,16: Subtraction
Skill Tree(s)
 3LG: Number Facts: Beginning
 5SB: Whole Numbers: Beginning
 63LG: Number Facts: Beginning
 86MC: Numeration
 212MC: Principles of Math: Beginning
 213MC: Principles of Math: Advanced

State Performance Indicators

Detail

Grade 2
Subject Mathematics
Standard Number and Operations
Code GLE 0206.2.4
Grade/Course Level Expectation Develop an initial understanding of multiplication.
Checks for Understanding

General Skill(s)
 2,C,8: Multiplication
Skill Tree(s)
 4LG: Number Facts: Advanced
 63LG: Number Facts: Beginning
 86MC: Numeration K-3
 137SB: Math Strategies 1-3
 213MC: Principles of Math: Advanced

State Performance Indicators

Detail

Grade	2	General Skill(s)
Subject	Mathematics	2,C,130: Counting*
Standard	Number and Operations	Skill Tree(s)
Code	0206.2.1	212MC: Principles of Math: Beginning
Grade/Course Level Expectation		
Checks for Understanding	Starting at any number, count by ones, twos, fives, tens, and hundreds up to 1000.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,20: Standard & Expanded Notation 2,C,130: Counting*
Standard	Number and Operations	Skill Tree(s)
Code	0206.2.2	85MC: Number Sense K-3 137SB: Math Strategies 1-3 212MC: Principles of Math: Beginning
Grade/Course Level Expectation		
Checks for Understanding	Read and write numbers up to 1000 using numerals and up to 100 using words.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,111: Number Line Addition & Subtraction*
Standard	Number and Operations	Skill Tree(s)
Code	0206.2.3	213MC: Principles of Math: Advanced 85MC: Number Sense K-3
Grade/Course Level Expectation		
Checks for Understanding	Locate and interpret numbers on a number line.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,135: Place Value*
Standard	Number and Operations	Skill Tree(s)
Code	0206.2.4	85MC: Number Sense
Grade/Course Level Expectation		
Checks for Understanding	Recognize that place-value notation represents the sums of multiples of powers of ten (e.g., 853 as 8 hundreds + 5 tens + 3 ones).	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,130: Counting*
Standard	Number and Operations	2,C,135: Place Value*
Code	0206.2.5	Skill Tree(s)
Grade/Course Level Expectation		85MC: Number Sense
Checks for Understanding	Compare and order multi-digit numbers up to 1000.	212MC: Principles of Math: Beginning
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,15: Addition
Standard	Number and Operations	2,C,16: Subtraction
Code	0206.2.6	Skill Tree(s)
Grade/Course Level Expectation		3LG: Number Facts: Beginning
Checks for Understanding	Use various models such as number lines, pictures, and base-ten blocks to illustrate addition and subtraction.	5SB: Whole Numbers: Beginning
State Performance Indicators		63LG: Number Facts: Beginning
Detail		86MC: Numeration
		212MC: Principles of Math: Beginning
		213MC: Principles of Math: Advanced

Grade 2
Subject Mathematics
Standard Number and Operations
Code 0206.2.7
Grade/Course Level Expectation
Checks for Understanding Develop fluency at recalling basic addition facts and related subtraction facts.

General Skill(s)
2,C,15: Addition
2,C,16: Subtraction

Skill Tree(s)
3LG: Number Facts: Beginning
5SB: Whole Numbers: Beginning
63LG: Number Facts: Beginning
86MC: Numeration
212MC: Principles of Math: Beginning
213MC: Principles of Math: Advanced

State Performance Indicators

Detail

Grade 2
Subject Mathematics
Standard Number and Operations
Code 0206.2.8
Grade/Course Level Expectation
Checks for Understanding Use efficient procedures, and understand why they work, to solve problems involving the addition and subtraction of two- and three-digit whole numbers (including those that require regrouping).

General Skill(s)
2,C,15: Addition
2,C,16: Subtraction

Skill Tree(s)
3LG: Number Facts: Beginning
5SB: Whole Numbers: Beginning
63LG: Number Facts: Beginning
86MC: Numeration
212MC: Principles of Math: Beginning
213MC: Principles of Math: Advanced

State Performance Indicators

Detail

Grade	2	General Skill(s)
Subject	Mathematics	2,C,10: Estimation
Standard	Number and Operations	Skill Tree(s)
Code	0206.2.9	85MC: Number Sense K-3 137SB: Math Strategies 1-3
Grade/Course Level Expectation		
Checks for Understanding	Apply appropriate methods to estimate and mentally calculate sums or differences with ones, tens, and hundreds.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,15: Addition
Standard	Number and Operations	Skill Tree(s)
Code	0206.2.10	3LG: Number Facts: Beginning 5SB: Whole Numbers: Beginning 63LG: Number Facts: Beginning 86MC: Numeration 212MC: Principles of Math: Beginning 213MC: Principles of Math: Advanced
Grade/Course Level Expectation		
Checks for Understanding	Add three two-digit numbers.	
State Performance Indicators		
Detail		

Grade 2
Subject Mathematics
Standard Number and Operations
Code 0206.2.11
Grade/Course Level Expectation
Checks for Understanding Solve addition and subtraction problems in context using various representations.

General Skill(s)
 2,C,15: Addition
 2,C,16: Subtraction
Skill Tree(s)
 3LG: Number Facts: Beginning
 5SB: Whole Numbers: Beginning
 63LG: Number Facts: Beginning
 86MC: Numeration
 212MC: Principles of Math: Beginning
 213MC: Principles of Math: Advanced

State Performance Indicators

Detail

Grade 2
Subject Mathematics
Standard Number and Operations
Code 0206.2.12
Grade/Course Level Expectation
Checks for Understanding Demonstrate skip counting on the number line and relate to repeated addition and multiplication.

General Skill(s)
 2,C,2: Number Relationships & Sentences
 2,C,111: Number Line Addition & Subtraction*
Skill Tree(s)
 85MC: Number Sense K-3
 86MC: Numeration K-3
 91MC: Patterning and Algebra K-3
 137SB: Math Strategies 1-3
 212MC: Principles of Math: Beginning
 213MC: Principles of Math: Advanced

State Performance Indicators

Detail

Grade 2
Subject Mathematics
Standard Number and Operations
Code 0206.2.13
Grade/Course Level Expectation
Checks for Understanding Relate patterns in skip counting to multiplication.

General Skill(s)
2,C,8: Multiplication
Skill Tree(s)
4LG: Number Facts: Advanced
63LG: Number Facts: Beginning
86MC: Numeration K-3
137SB: Math Strategies 1-3
213MC: Principles of Math: Advanced

State Performance Indicators

Detail

Grade 2
Subject Mathematics
Standard Algebra
Code GLE 0206.3.1
Grade/Course Level Expectation Develop pattern recognition.
Checks for Understanding

General Skill(s)
2,C,112: Identifying & Continuing Patterns*
2,C,19: Patterning & Algebra

Skill Tree(s)
85MC: Number Sense K-3
89MC: Geometry K-3
91MC: Patterning and Algebra K-3

State Performance Indicators

Detail

Grade	2	General Skill(s)	
Subject	Mathematics		2,C,8: Multiplication 2,C,100: Properties of Addition*
Standard	Algebra	Skill Tree(s)	
Code	GLE 0206.3.2		3LG: Number Facts: Beginning 4LG: Number Facts: Advanced 5SB: Whole Numbers: Beginning 63LG: Number Facts: Mixed Practice 86MC: Numeration K-3 137SB: Math Strategies 1-3 212MC: Principles of Math: Beginning 213MC: Principles of Math: Advanced
Grade/Course Level Expectation	Extend knowledge of the properties of numbers and operations to multiplication.	Checks for Understanding	
State Performance Indicators			
Detail			

Grade	2	General Skill(s)	
Subject	Mathematics		2,C,15: Addition 2,C,16: Subtraction
Standard	Algebra	Skill Tree(s)	
Code	GLE 0206.3.3		3LG: Number Facts: Beginning 5SB: Whole Numbers: Beginning 63LG: Number Facts: Beginning 86MC: Numeration 212MC: Principles of Math: Beginning 213MC: Principles of Math: Advanced
Grade/Course Level Expectation	Solve simple arithmetic problems using various methods.	Checks for Understanding	
State Performance Indicators			
Detail			

<p>Grade 2</p> <p>Subject Mathematics</p> <p>Standard Algebra</p> <p>Code GLE 0206.3.4</p> <p>Grade/Course Level Expectation Describe quantitative change.</p> <p>Checks for Understanding</p> <p>State Performance Indicators</p> <p>Detail</p>	<p>General Skill(s)</p> <p>This specific standard is either not effectively assessed or taught using technology, or is not addressed in this version of Orchard through content or assessments at this grade level.</p> <p>Skill Tree(s)</p> <p>Orchard Skill Trees are not currently correlated to this specific standard. See above for details.</p>
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<p>Grade 2</p> <p>Subject Mathematics</p> <p>Standard Algebra</p> <p>Code 0206.3.1</p> <p>Grade/Course Level Expectation</p> <p>Checks for Understanding Given rules, complete tables to reveal both arithmetic and geometric patterns.</p> <p>State Performance Indicators</p> <p>Detail</p>	<p>General Skill(s)</p> <p>2,C,19: Patterning & Algebra 2,C,112: Identifying & Continuing Patterns*</p> <p>Skill Tree(s)</p> <p>85MC: Number Sense K-3 89MC: Geometry K-3 91MC: Patterning and Algebra K-3</p>
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Grade	2	General Skill(s)
Subject	Mathematics	2,C,19: Patterning & Algebra 2,C,112: Identifying & Continuing Patterns*
Standard	Algebra	
Code	0206.3.2	Skill Tree(s)
Grade/Course Level Expectation		85MC: Number Sense K-3 89MC: Geometry K-3 91MC: Patterning and Algebra K-3
Checks for Understanding	Given a description, extend or find a missing term in a pattern or sequence.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,19: Patterning & Algebra 2,C,112: Identifying & Continuing Patterns*
Standard	Algebra	
Code	0206.3.3	Skill Tree(s)
Grade/Course Level Expectation		85MC: Number Sense K-3 89MC: Geometry K-3 91MC: Patterning and Algebra K-3
Checks for Understanding	Record and study patterns in lists of numbers created by repeated addition or subtraction.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,19: Patterning & Algebra
Standard	Algebra	2,C,112: Identifying & Continuing Patterns*
Code	0206.3.4	Skill Tree(s)
Grade/Course Level Expectation		85MC: Number Sense K-3
Checks for Understanding	Generalize the patterns resulting from the addition, subtraction and multiplication of combinations of odd and even numbers.	89MC: Geometry K-3
State Performance Indicators		91MC: Patterning and Algebra K-3
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,8: Multiplication
Standard	Algebra	2,C,100: Properties of Addition*
Code	0206.3.5	Skill Tree(s)
Grade/Course Level Expectation		3LG: Number Facts: Beginning
Checks for Understanding	Understand and use the commutative and associative properties of addition and multiplication.	4LG: Number Facts: Advanced
State Performance Indicators		5SB: Whole Numbers: Beginning
Detail		63LG: Number Facts: Mixed Practice
		86MC: Numeration K-3
		137SB: Math Strategies 1-3
		212MC: Principles of Math: Beginning
		213MC: Principles of Math: Advanced

Grade 2
Subject Mathematics
Standard Algebra
Code 0206.3.6

**Grade/Course
Level
Expectation**

**Checks
for
Understanding** Relate repeated addition to multiplication.

**State
Performance
Indicators**

Detail

General Skill(s)
2,C,8: Multiplication
2,C,100: Properties of Addition*

Skill Tree(s)
3LG: Number Facts: Beginning
4LG: Number Facts: Advanced
5SB: Whole Numbers: Beginning
63LG: Number Facts: Mixed Practice
86MC: Numeration K-3
137SB: Math Strategies 1-3
212MC: Principles of Math: Beginning
213MC: Principles of Math: Advanced

Grade 2
Subject Mathematics
Standard Algebra
Code 0206.3.7

**Grade/Course
Level
Expectation**

**Checks
for
Understanding** Find unknowns in number sentences and problems involving addition, subtraction and multiplication.

**State
Performance
Indicators**

Detail

General Skill(s)
2,C,8: Multiplication
2,C,15: Addition
2,C,16: Subtraction

Skill Tree(s)
4LG: Number Facts: Advanced
3LG: Number Facts: Beginning
5SB: Whole Numbers: Beginning
63LG: Number Facts: Beginning
86MC: Numeration
137SB: Math Strategies 1-3
212MC: Principles of Math: Beginning
213MC: Principles of Math: Advanced

Grade	2	General Skill(s)
Subject	Mathematics	2,C,19: Patterning & Algebra
Standard	Algebra	Skill Tree(s)
Code	0206.3.8	85MC: Number Sense K-3 91MC: Patterning and Algebra K-3
Grade/Course Level Expectation		
Checks for Understanding	Describe change in measures according to quantitative criteria such as growing 2 inches in one year.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,3: Geometry: Recognize 2-D & 3-D Figures
Standard	Geometry and Measurement	Skill Tree(s)
Code	GLE 0206.4.1	89MC: Geometry K-3 91MC: Patterning and Algebra K-3 137SB: Math Strategies 1-3
Grade/Course Level Expectation	Recognize, classify, and transform 2- and 3-dimensional geometric figures.	
Checks for Understanding		
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,4: Measurement & Time
Standard	Geometry and Measurement	2,C,23: Measurement Relationships
Code	GLE 0206.4.2	Skill Tree(s)
Grade/Course Level Expectation	Understand the meaning and process of linear measurement.	1LG: Time
Checks for Understanding		85MC: Number Sense K-3
		87MC: Measurement K-1
		88MC: Measurement 2-3
		137SB: Math Strategies 1-3
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,4: Measurement & Time
Standard	Geometry and Measurement	2,C,15: Addition
Code	GLE 0206.4.3	2,C,16: Subtraction
Grade/Course Level Expectation	Add, subtract, compare, compute and estimate linear measurements.	2,C,23: Measurement Relationships
Checks for Understanding		Skill Tree(s)
		1LG: Time
		3LG: Number Facts: Beginning
		5SB: Whole Numbers: Beginning
		63LG: Number Facts: Beginning
		85MC: Number Sense K-3
		86MC: Numeration
		87MC: Measurement K-1
		88MC: Measurement 2-3
State Performance Indicators		212MC: Principles of Math: Beginning
Detail		213MC: Principles of Math: Advanced

Grade	2	General Skill(s)
Subject	Mathematics	2,C,3: Geometry: Recognize 2-D & 3-D Figures
Standard	Geometry and Measurement	Skill Tree(s)
Code	GLE 0206.4.4	89MC: Geometry K-3
Grade/Course Level Expectation	Compose and decompose polygons to make other polygons.	91MC: Patterning and Algebra K-3
Checks for Understanding		137SB: Math Strategies 1-3
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,3: Geometry: Recognize 2-D & 3-D Figures
Standard	Geometry and Measurement	Skill Tree(s)
Code	0206.4.1	89MC: Geometry K-3
Grade/Course Level Expectation		91MC: Patterning and Algebra K-3
Checks for Understanding	Describe common geometric attributes of familiar plane and solid objects.	137SB: Math Strategies 1-3
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,3: Geometry: Recognize 2-D & 3-D Figures
Standard	Geometry and Measurement	Skill Tree(s)
Code	0206.4.2	89MC: Geometry K-3
Grade/Course Level Expectation		91MC: Patterning and Algebra K-3
Checks for Understanding	Reflect, rotate, and translate shapes to explore the effects of transformations.	137SB: Math Strategies 1-3
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,4: Measurement & Time
Standard	Geometry and Measurement	2,C,103: Nonstandard Units of Measure*
Code	0206.4.3	Skill Tree(s)
Grade/Course Level Expectation		1LG: Time
Checks for Understanding	Understand the property of transitivity as it relates to linear measurement (for example: If A is longer than B, and B is longer than C, then A is longer than C).	88MC: Measurement 2-3
State Performance Indicators		137SB: Math Strategies 1-3
Detail		

Grade 2
Subject Mathematics
Standard Geometry and Measurement
Code 0206.4.4
Grade/Course Level Expectation
Checks for Understanding Estimate, measure, and calculate length to the nearest unit: meter, centimeter, yard, foot, and inch.

General Skill(s)
2,C,4: Measurement & Time
2,C,23: Measurement Relationships

Skill Tree(s)
1LG: Time
85MC: Number Sense K-3
87MC: Measurement K-1
88MC: Measurement 2-3
137SB: Math Strategies 1-3

State Performance Indicators

Detail

Grade 2
Subject Mathematics
Standard Geometry and Measurement
Code 0206.4.5
Grade/Course Level Expectation
Checks for Understanding Use rulers to measure the lengths of sides and diagonals of common 2-dimensional figures and polygons.

General Skill(s)
2,C,4: Measurement & Time
2,C,113: Geometric Models*

Skill Tree(s)
1LG: Time
88MC: Measurement 2-3
137SB: Math Strategies 1-3

State Performance Indicators

Detail

Grade	2	General Skill(s)
Subject	Mathematics	2,C,4: Measurement & Time 2,C,23: Measurement Relationships
Standard	Geometry and Measurement	
Code	0206.4.6	Skill Tree(s)
Grade/Course Level Expectation		1LG: Time 85MC: Number Sense K-3 87MC: Measurement K-1 88MC: Measurement 2-3 137SB: Math Strategies 1-3
Checks for Understanding	Understand the inverse relationship between the size of a unit and the number of units used in a particular measurement (the smaller the unit, the more iterations needed to cover the length).	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,3: Geometry: Recognize 2-D & 3-D Figures
Standard	Geometry and Measurement	
Code	0206.4.7	Skill Tree(s)
Grade/Course Level Expectation		89MC: Geometry K-3 91MC: Patterning and Algebra K-3 137SB: Math Strategies 1-3
Checks for Understanding	Investigate and describe composition, decomposition, and transformations of polygons.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)	
Subject	Mathematics		2,C,3: Geometry: Recognize 2-D & 3-D Figures
Standard	Geometry and Measurement	Skill Tree(s)	
Code	0206.4.8		89MC: Geometry K-3 91MC: Patterning and Algebra K-3 137SB: Math Strategies 1-3
Grade/Course Level Expectation			
Checks for Understanding	Combine polygons to form other polygons and subdivide a polygon into other polygons.		
State Performance Indicators			
Detail			

Grade	2	General Skill(s)	
Subject	Mathematics		2,C,3: Geometry: Recognize 2-D & 3-D Figures
Standard	Geometry and Measurement	Skill Tree(s)	
Code	0206.4.9		89MC: Geometry K-3 91MC: Patterning and Algebra K-3 137SB: Math Strategies 1-3
Grade/Course Level Expectation			
Checks for Understanding	Recognize the composition and decomposition of polygons.		
State Performance Indicators			
Detail			

Orchard Correlation to the Tennessee Curriculum Standards



Grade	2	General Skill(s)
Subject	Mathematics	2,C,108: Collecting & Interpreting Data*
Standard	Data, Probability and Statistics	Skill Tree(s)
Code	GLE 0206.5.1	90MC: Data Management and Probability K-3
Grade/Course Level Expectation	Use and understand various representations to depict and analyze data measurements.	
Checks for Understanding		
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,102: Probability Models*
Standard	Data, Probability and Statistics	Skill Tree(s)
Code	GLE 0206.5.2	90MC: Data Management and Probability K-3
Grade/Course Level Expectation	Determine whether an event is likely or unlikely.	
Checks for Understanding		
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,108: Collecting & Interpreting Data*
Standard	Data, Probability and Statistics	Skill Tree(s)
Code	0206.5.1	90MC: Data Management and Probability K-3
Grade/Course Level Expectation		
Checks for Understanding	Read, interpret, and analyze data shown in tables, bar graphs and picture graphs.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,108: Collecting & Interpreting Data*
Standard	Data, Probability and Statistics	Skill Tree(s)
Code	0206.5.2	90MC: Data Management and Probability K-3
Grade/Course Level Expectation		
Checks for Understanding	Read, interpret, and create tables using tally marks.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,102: Probability Models*
Standard	Data, Probability and Statistics	Skill Tree(s)
Code	0206.5.3	90MC: Data Management and Probability K-3
Grade/Course Level Expectation		
Checks for Understanding	Explain whether a real world event is likely or unlikely.	
State Performance Indicators		
Detail		

Grade	2	General Skill(s)
Subject	Mathematics	2,C,102: Probability Models*
Standard	Data, Probability and Statistics	Skill Tree(s)
Code	0206.5.4	90MC: Data Management and Probability K-3
Grade/Course Level Expectation		
Checks for Understanding	Predict outcomes of events based on data gathered and displayed.	
State Performance Indicators		
Detail		
