



## Minnesota Academic Standards

**Subject:** Mathematics

**Grades:** Pre K, K, 1, 2, 3, 4, 5

**Grade: K - Adopted: 2008**

STANDARD	STANDARD NAME	TOUCHMATH UNITS AND MODULES
K.1.1.	Understand the relationship between quantities and whole numbers up to 31.	Unit 1: Numbers & Operations Level 1   Module 1: Representing 0-3 Unit 1: Numbers & Operations Level 1   Module 2: Representing 4-5 Unit 1: Numbers & Operations Level 1   Module 3: Comparing Unit 1: Numbers & Operations Level 1   Module 6: Addition & Subtraction Unit 2: Number & Operations Level 2   Module 1: Representing 6-7 Unit 2: Number & Operations Level 2   Module 2: Representing 8-9 Unit 2: Number & Operations Level 2   Module 3: Addition Unit 2: Number & Operations Level 2   Module 4: Subtraction Unit 2: Number & Operations Level 2   Module 5: Addition & Subtraction Unit 2: Number & Operations Level 2   Module 6: Composing & Decomposing Unit 3: Number & Operations Level 3   Module 1: Composing & Decomposing 10 Unit 3: Number & Operations Level 3   Module 2: Numbers 10-15 Unit 3: Number & Operations Level 3   Module 3: Numbers 16-20 Unit 3: Number & Operations Level 3   Module 4: Place Value Unit 3: Number & Operations Level 3   Module 5: Word Problems Unit 3: Number & Operations Level 3   Module 6: Counting

		Unit 4: Measurement, Geometry, & Data   Module 2: Sorting & Classifying Unit 4: Measurement, Geometry, & Data   Module 3: Data
K.1.2.	Use objects and pictures to represent situations involving combining and separating.	Unit 1: Numbers & Operations Level 1   Module 4: Addition Unit 1: Numbers & Operations Level 1   Module 5: Subtraction Unit 1: Numbers & Operations Level 1   Module 6: Addition & Subtraction Unit 2: Number & Operations Level 2   Module 3: Addition Unit 2: Number & Operations Level 2   Module 4: Subtraction Unit 2: Number & Operations Level 2   Module 5: Addition & Subtraction Unit 2: Number & Operations Level 2   Module 6: Composing & Decomposing Unit 3: Number & Operations Level 3   Module 1: Composing & Decomposing 10 Unit 3: Number & Operations Level 3   Module 2: Numbers 10-15 Unit 3: Number & Operations Level 3   Module 3: Numbers 16-20 Unit 3: Number & Operations Level 3   Module 4: Place Value Unit 3: Number & Operations Level 3   Module 5: Word Problems
<b>MN.K.3.</b>	<b>Geometry &amp; Measurement</b>	<b>Geometry &amp; Measurement</b>
K.3.1.	Recognize and sort basic two and three dimensional shapes; use them to model real world objects.	Unit 4: Measurement, Geometry, & Data   Module 2: Sorting & Classifying Unit 4: Measurement, Geometry, & Data   Module 3: Data Unit 4: Measurement, Geometry, & Data   Module 4: 2-D Shapes Unit 4: Measurement, Geometry, & Data   Module 5: 3-D Shapes Unit 4: Measurement, Geometry, & Data   Module 6: Shapes in the Environment
K.3.2.	Compare and order objects according to location and measurable attributes.	Unit 4: Measurement, Geometry, & Data   Module 1: Describing Length

Unit 4: Measurement, Geometry, & Data | Module 2: Sorting & Classifying  
 Unit 4: Measurement, Geometry, & Data | Module 3: Data  
 Unit 4: Measurement, Geometry, & Data | Module 6: Shapes in the Environment

**Grade: 1 - Adopted: 2008**

STANDARD	STANDARD NAME	TOUCHMATH UNITS AND MODULES
1.1.1.	Count, compare and represent whole numbers up to 120, with an emphasis on groups of tens and ones.	Unit 1: Numbers & Operations Level 1   Module 1: Counting Unit 1: Numbers & Operations Level 1   Module 2: TouchPoints Unit 1: Numbers & Operations Level 1   Module 4: Addition within 9 Unit 1: Numbers & Operations Level 1   Module 5: Subtraction within 9 Unit 1: Numbers & Operations Level 1   Module 6: Within 9 Unit 2: Numbers & Operations Level 2   Module 1: Place Value Unit 2: Numbers & Operations Level 2   Module 2: Addition within 13 Unit 2: Numbers & Operations Level 2   Module 3: Addition within 20 Unit 2: Numbers & Operations Level 2   Module 4: Backward Counting Unit 2: Numbers & Operations Level 2   Module 5: Subtraction within 20 Unit 2: Numbers & Operations Level 2   Module 6: Within 20 Unit 3: Numbers & Operations Level 3   Module 1: Place Value Unit 3: Numbers & Operations Level 3   Module 2: Addition within 100 Unit 3: Numbers & Operations Level 3   Module 3: Mixed Addition Unit 3: Numbers & Operations Level 3   Module 4: Addition Strategies Unit 3: Numbers & Operations Level 3   Module 5: Subtraction within 100 Unit 3: Numbers & Operations Level 3   Module 6: Subtraction Strategies Unit 3: Numbers & Operations Level 3   Module 7: Within 100 Unit 4: Measurement, Geometry & Data   Module 3: Data
1.1.2.	Use a variety of models and strategies to solve addition and subtraction problems in real world and mathematical contexts.	

		Unit 1: Numbers & Operations Level 1   Module 3: Within 5 Unit 2: Numbers & Operations Level 2   Module 2: Addition within 13 Unit 2: Numbers & Operations Level 2   Module 3: Addition within 20 Unit 2: Numbers & Operations Level 2   Module 6: Within 20 Unit 3: Numbers & Operations Level 3   Module 2: Addition within 100 Unit 3: Numbers & Operations Level 3   Module 3: Mixed Addition Unit 3: Numbers & Operations Level 3   Module 4: Addition Strategies Unit 3: Numbers & Operations Level 3   Module 5: Subtraction within 100 Unit 3: Numbers & Operations Level 3   Module 6: Subtraction Strategies Unit 3: Numbers & Operations Level 3   Module 7: Within 100
<b>MN.1.2.</b>	<b>Algebra</b>	<b>Algebra</b>
1.2.2.	Use number Sentences involving addition and subtraction basic facts to represent and solve real-world and mathematical problems; create real-world situations corresponding to number sentences.	Unit 1: Numbers & Operations Level 1   Module 4: Addition within 9 Unit 1: Numbers & Operations Level 1   Module 5: Subtraction within 9 Unit 1: Numbers & Operations Level 1   Module 6: Within 9 Unit 2: Numbers & Operations Level 2   Module 2: Addition within 13 Unit 2: Numbers & Operations Level 2   Module 3: Addition within 20 Unit 2: Numbers & Operations Level 2   Module 5: Subtraction within 20 Unit 2: Numbers & Operations Level 2   Module 6: Within 20 Unit 3: Numbers & Operations Level 3   Module 2: Addition within 100 Unit 3: Numbers & Operations Level 3   Module 3: Mixed Addition Unit 3: Numbers & Operations Level 3   Module 4: Addition Strategies Unit 3: Numbers & Operations Level 3   Module 5: Subtraction within 100 Unit 3: Numbers & Operations Level 3   Module 6: Subtraction Strategies Unit 3: Numbers & Operations Level 3   Module 7: Within 100
<b>MN.1.3.</b>	<b>Geometry &amp; Measurement</b>	<b>Geometry &amp; Measurement</b>

1.3.1.	Describe characteristics of basic shapes. Use basic shapes to compose and decompose other objects in various contexts.	Unit 4: Measurement, Geometry & Data   Module 4: 2-D Shapes Unit 4: Measurement, Geometry & Data   Module 5: 3-D Shapes
1.3.2.	Use basic concepts of measurement in real-world and mathematical situations involving length, time and money.	Unit 4: Measurement, Geometry & Data   Module 1: Time & Money Unit 4: Measurement, Geometry & Data   Module 2: Length

**Grade: 2 - Adopted: 2008**

<b>STANDARD</b>	<b>STANDARD NAME</b>	<b>TOUCHMATH UNITS AND MODULES</b>
2.1.1.	Compare and represent whole numbers up to 1000 with an emphasis on place value and equality.	Unit 1: Addition & Subtraction Level 1   Module 1: Forward Counting Unit 1: Addition & Subtraction Level 1   Module 2: Addition Unit 1: Addition & Subtraction Level 1   Module 3: Backward Counting Unit 1: Addition & Subtraction Level 1   Module 4: Subtraction Unit 2: Addition & Subtraction Level 2   Module 1: Place Value Unit 2: Addition & Subtraction Level 2   Module 2: Counting & Reading Unit 2: Addition & Subtraction Level 2   Module 3: Reading & Writing Unit 3: Operations with Multi-Digit Numbers   Module 1: Multiples of 10 & 100 Unit 3: Operations with Multi-Digit Numbers   Module 2: Addition within 1,000 Unit 3: Operations with Multi-Digit Numbers   Module 3: Subtraction within 1,000 Unit 3: Operations with Multi-Digit Numbers   Module 4: Mixed Operations

		Unit 4: Measurement, Geometry & Data   Module 2: Money
2.1.2.	Demonstrate mastery of addition and subtraction basic facts; add and subtract one- and two-digit numbers in real-world and mathematical problems.	<p>Unit 1: Addition &amp; Subtraction Level 1   Module 2: Addition</p> <p>Unit 1: Addition &amp; Subtraction Level 1   Module 4: Subtraction</p> <p>Unit 1: Addition &amp; Subtraction Level 1   Module 1: Within 13</p> <p>Unit 1: Addition &amp; Subtraction Level 1   Module 2: Within 20</p> <p>Unit 1: Addition &amp; Subtraction Level 1   Module 3: Within 50</p> <p>Unit 1: Addition &amp; Subtraction Level 1   Module 4: Addition with Regrouping</p> <p>Unit 1: Addition &amp; Subtraction Level 1   Module 5: Subtraction with Regrouping</p> <p>Unit 1: Addition &amp; Subtraction Level 1   Module 6: Mixed Regrouping</p> <p>Unit 2: Addition &amp; Subtraction Level 2   Module 4: Addition within 100</p> <p>Unit 2: Addition &amp; Subtraction Level 2   Module 5: Subtraction within 100</p> <p>Unit 2: Addition &amp; Subtraction Level 2   Module 6: Within 100</p> <p>Unit 3: Operations with Multi-Digit Numbers   Module 1: Multiples of 10 &amp; 100</p> <p>Unit 3: Operations with Multi-Digit Numbers   Module 2: Addition within 1,000</p> <p>Unit 3: Operations with Multi-Digit Numbers   Module 3: Subtraction within 1,000</p> <p>Unit 3: Operations with Multi-Digit Numbers   Module 4: Mixed Operations</p> <p>Unit 4: Measurement, Geometry &amp; Data   Module 3: Data</p>
<b>MN.2.2.</b>	<b>Algebra</b>	<b>Algebra</b>
2.2.1.	Recognize, create, describe, and use patterns and rules to solve real world and mathematical problems.	<p>Unit 2: Addition &amp; Subtraction Level 2   Module 6: Within 100</p> <p>Unit 3: Operations with Multi-Digit Numbers   Module 1: Multiples of 10 &amp; 100</p>

2.2.2.	Use number Sentences involving addition, subtraction and unknowns to represent and solve real-world and mathematical problems; create real-world situations corresponding to number sentences.	Unit 1:Addition& Subtraction Level 1   Module 1: Within 13 Unit 1:Addition& Subtraction Level 1   Module 2: Within 20 Unit 1:Addition& Subtraction Level 1   Module 3: Within 50 Unit 1:Addition& Subtraction Level 1   Module 4: Addition with Regrouping Unit 1:Addition& Subtraction Level 1   Module 5: Subtraction with Regrouping Unit 1:Addition& Subtraction Level 1   Module 6: Mixed Regrouping Unit 2: Addition & Subtraction Level 2   Module 4: Addition within 100 Unit 2: Addition & Subtraction Level 2   Module 5: Subtraction within 100 Unit 2: Addition & Subtraction Level 2   Module 6: Within 100 Unit 3: Operations with Multi-Digit Numbers   Module 1: Multiples of 10 & 100 Unit 3: Operations with Multi-Digit Numbers   Module 2: Addition within 1,000 Unit 3: Operations with Multi-Digit Numbers   Module 4: Mixed Operations
<b>MN.2.3.</b>	<b>Geometry &amp; Measurement</b>	<b>Geometry &amp; Measurement</b>
2.3.1.	Identify, describe, and compare basic shapes according to their geometric attributes.	Unit 4: Measurement, Geometry & Data   Module 6: Geometry
2.3.2.	Understand length as a measurable attribute; use tools to measure length.	Unit 4: Measurement, Geometry & Data   Module 3: Data Unit 4: Measurement, Geometry & Data   Module 4: Measurement Unit 4: Measurement, Geometry & Data   Module 5: Operations with Length
2.3.3.	Use time and money in real world and mathematical situations.	

Unit 4: Measurement, Geometry & Data | Module 1: Time  
 Unit 4: Measurement, Geometry & Data | Module 2: Money

**Grade: 3 - Adopted: 2008**

STANDARD	STANDARD NAME	TOUCHMATH UNITS AND MODULES
3.1.1.	Compare and represent whole numbers up to 100,000 with an emphasis on place value and equality.	Unit 1: Addition & Subtraction Level 1   Module 1: Forward Counting Unit 1: Addition & Subtraction Level 1   Module 2: Addition Unit 1: Addition & Subtraction Level 1   Module 3: Backward Counting Unit 1: Addition & Subtraction Level 1   Module 4: Subtraction Unit 1: Addition & Subtraction Level 1   Module 5: Fact Families Unit 1: Addition & Subtraction Level 1   Module 6: Place Value Unit 1: Addition & Subtraction Level 1   Module 7: Strategies Unit 1: Addition & Subtraction Level 1   Module 8: Mixed Addition & Subtraction Unit 2: Addition & Subtraction Level 2   Module 1: Counting to 1,000 Unit 2: Addition & Subtraction Level 2   Module 3: Place Value Unit 2: Addition & Subtraction Level 2   Module 4: Within 100 Unit 2: Addition & Subtraction Level 2   Module 5: Strategies Unit 2: Addition & Subtraction Level 2   Module 6: Three-Digit Numbers Unit 6: Mixed Operations with Whole Numbers   Module 3: Two–Four Digits by Two Digits Unit 6: Mixed Operations with Whole Numbers   Module 4: Three–Four Digits by Three Digits
3.1.2.	Add and subtract multi-digit whole numbers; represent multiplication and division in various ways; solve real world and mathematical problems using	



		Unit 1: Addition & Subtraction Level 1   Module 2: Addition Unit 1: Addition & Subtraction Level 1   Module 4: Subtraction Unit 1: Addition & Subtraction Level 1   Module 5: Fact Families Unit 1: Addition & Subtraction Level 1   Module 6: Place Value Unit 1: Addition & Subtraction Level 1   Module 7: Strategies Unit 1: Addition & Subtraction Level 1   Module 8: Mixed Addition & Subtraction Unit 2: Addition & Subtraction Level 2   Module 2: Within 20 Unit 2: Addition & Subtraction Level 2   Module 4: Within 100 Unit 2: Addition & Subtraction Level 2   Module 5: Strategies Unit 2: Addition & Subtraction Level 2   Module 6: Three-Digit Numbers Unit 3: Skip Counting   Module 1: Skip Counting by 2 Unit 3: Skip Counting   Module 2: Skip Counting by 3 Unit 3: Skip Counting   Module 3: Skip Counting by 4 Unit 3: Skip Counting   Module 4: Skip Counting by 5 Unit 3: Skip Counting   Module 5: Skip Counting by 6 Unit 3: Skip Counting   Module 6: Skip Counting by 7 Unit 3: Skip Counting   Module 7: Skip Counting by 8 Unit 3: Skip Counting   Module 8: Skip Counting by 9 Unit 4: Multiplication & Division Level 1   Module 2: Multiplication Unit 5: Multiplication & Division Level 2   Module 1: Multiplication by One Digit Unit 5: Multiplication & Division Level 2   Module 2: Division by One Digit Unit 6: Mixed Operations with Whole Numbers   Module 1: Relationships of Unit 6: Mixed Operations with Whole Numbers   Module 2: Two–Four Digits by Unit 6: Mixed Operations with Whole Numbers   Module 3: Two–Four Digits by Two Digits Unit 6: Mixed Operations with Whole Numbers   Module 4: Three–Four Digits by Three Digits
3.1.3.	Understand meanings and uses of fractions in real-world and mathematical	Unit 7: Fractions, Decimals & Percents Level 1   Module 1: Understanding Unit 7: Fractions, Decimals & Percents Level 1   Module 2: Application of

		Unit 9: Measurement, Geometry & Data   Module 1: 2-D Shapes
<b>MN.3.2.</b>	<b>Algebra</b>	<b>Algebra</b>
3.2.1.	Use single operation Input output rules to represent patterns and relationships and to solve real world and mathematical	<p>Unit 3: Skip Counting   Module 1: Skip Counting by 2</p> <p>Unit 3: Skip Counting   Module 2: Skip Counting by 3</p> <p>Unit 3: Skip Counting   Module 3: Skip Counting by 4</p> <p>Unit 3: Skip Counting   Module 4: Skip Counting by 5</p> <p>Unit 3: Skip Counting   Module 5: Skip Counting by 6</p> <p>Unit 3: Skip Counting   Module 6: Skip Counting by 7</p> <p>Unit 3: Skip Counting   Module 7: Skip Counting by 8</p> <p>Unit 3: Skip Counting   Module 8: Skip Counting by 9</p> <p>Unit 4: Multiplication &amp; Division Level 1   Module 1: Skip Counting Review</p>
3.2.2.	Use number Sentences involving multiplication and division basic facts and unknowns to represent and solve real world and mathematical problems; create real-world Situations corresponding to number sentences.	<p>Unit 4: Multiplication &amp; Division Level 1   Module 2: Multiplication</p> <p>Unit 5: Multiplication &amp; Division Level 2   Module 1: Multiplication by One Digit</p> <p>Unit 5: Multiplication &amp; Division Level 2   Module 2: Division by One Digit</p> <p>Unit 6: Mixed Operations with Whole Numbers   Module 1: Relationships of</p> <p>Unit 6: Mixed Operations with Whole Numbers   Module 3: Two–Four Digits by Two Digits</p> <p>Unit 6: Mixed Operations with Whole Numbers   Module 4: Three–Four Digits by Three Digits</p>
<b>MN.3.4.</b>	<b>Data Analysis</b>	<b>Data Analysis</b>

3.4.1.	Collect, organize, display, and interpret data. Use labels and a variety of scales and units in displays.	Unit 3: Skip Counting   Module 1: Skip Counting by 2 Unit 3: Skip Counting   Module 2: Skip Counting by 3 Unit 3: Skip Counting   Module 3: Skip Counting by 4 Unit 3: Skip Counting   Module 4: Skip Counting by 5 Unit 3: Skip Counting   Module 5: Skip Counting by 6 Unit 3: Skip Counting   Module 6: Skip Counting by 7 Unit 3: Skip Counting   Module 7: Skip Counting by 8 Unit 3: Skip Counting   Module 8: Skip Counting by 9
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**Grade: 4 - Adopted: 2008**

STANDARD	STANDARD NAME	TOUCHMATH UNITS AND MODULES
4.1.1.	Demonstrate mastery of multiplication and division basic facts; multiply multi-digit numbers; solve real-world and mathematical problems using arithmetic.	Unit 1: Addition & Subtraction Level 1   Module 5: Fact Families Unit 1: Addition & Subtraction Level 1   Module 6: Place Value Unit 1: Addition & Subtraction Level 1   Module 7: Strategies Unit 1: Addition & Subtraction Level 1   Module 8: Mixed Addition & Subtraction Unit 2: Addition & Subtraction Level 2   Module 2: Within 20 Unit 2: Addition & Subtraction Level 2   Module 4: Within 100 Unit 2: Addition & Subtraction Level 2   Module 5: Strategies Unit 2: Addition & Subtraction Level 2   Module 6: Three-Digit Numbers Unit 4: Multiplication & Division Level 1   Module 2: Multiplication Unit 4: Multiplication & Division Level 1   Module 3: Division Unit 4: Multiplication & Division Level 1   Module 4: Strategies Unit 4: Multiplication & Division Level 1   Module 5: Multiples & Factors

		Unit 4: Multiplication & Division Level 1   Module 6: Mixed Multiplication & Division Unit 5: Multiplication & Division Level 2   Module 1: Multiplication by One Digit Unit 5: Multiplication & Division Level 2   Module 2: Division by One Digit Unit 5: Multiplication & Division Level 2   Module 3: Multiplication Using the Unit 5: Multiplication & Division Level 2   Module 4: Division Using the Algorithm Unit 5: Multiplication & Division Level 2   Module 5: Multiplication by Two Digits Unit 5: Multiplication & Division Level 2   Module 6: Division by Two Digits Unit 5: Multiplication & Division Level 2   Module 7: Mixed Practice Unit 6: Mixed Operations with Whole Numbers   Module 1: Relationships of Unit 6: Mixed Operations with Whole Numbers   Module 2: Two–Four Digits by Unit 6: Mixed Operations with Whole Numbers   Module 3: Two–Four Digits by Two Digits Unit 6: Mixed Operations with Whole Numbers   Module 4: Three–Four Digits by Three Digits Unit 6: Mixed Operations with Whole Numbers   Module 5: Four Digits Unit 6: Mixed Operations with Whole Numbers   Module 6: Mixed Practice with Operations
4.1.2.	Represent and compare fractions and decimals in real-world and mathematical situations; use place value to understand how decimals represent quantities.	Unit 1: Addition & Subtraction Level 1   Module 5: Fact Families Unit 1: Addition & Subtraction Level 1   Module 6: Place Value Unit 1: Addition & Subtraction Level 1   Module 7: Strategies Unit 1: Addition & Subtraction Level 1   Module 8: Mixed Addition & Subtraction Unit 2: Addition & Subtraction Level 2   Module 1: Counting to 1,000 Unit 2: Addition & Subtraction Level 2   Module 3: Place Value Unit 2: Addition & Subtraction Level 2   Module 4: Within 100 Unit 2: Addition & Subtraction Level 2   Module 5: Strategies Unit 2: Addition & Subtraction Level 2   Module 6: Three-Digit Numbers

		Unit 6: Mixed Operations with Whole Numbers   Module 3: Two–Four Digits by Two Digits Unit 6: Mixed Operations with Whole Numbers   Module 4: Three–Four Digits by Three Digits Unit 6: Mixed Operations with Whole Numbers   Module 5: Four Digits Unit 6: Mixed Operations with Whole Numbers   Module 6: Mixed Practice with Operations Unit 7: Fractions, Decimals & Percents Level 1   Module 1: Understanding Unit 7: Fractions, Decimals & Percents Level 1   Module 2: Application of Unit 8: Fractions, Decimals & Percents Level 2   Module 1: Addition & Subtraction of Fractions Unit 8: Fractions, Decimals & Percents Level 2   Module 7: Application Unit 8: Fractions, Decimals & Percents Level 2   Module 8: Mixed Review Unit 10: Algebra   Module 1: Operations & Equations
<b>MN.4.2.</b>	<b>Algebra</b>	<b>Algebra</b>
4.2.2.	Use number Sentences involving multiplication, division and unknowns to represent and solve real-world and mathematical problems; create real-world situations corresponding to number sentences.	Unit 4: Multiplication & Division Level 1   Module 2: Multiplication Unit 4: Multiplication & Division Level 1   Module 3: Division Unit 4: Multiplication & Division Level 1   Module 4: Strategies Unit 4: Multiplication & Division Level 1   Module 5: Multiples & Factors Unit 4: Multiplication & Division Level 1   Module 6: Mixed Multiplication & Division Unit 5: Multiplication & Division Level 2   Module 1: Multiplication by One Digit Unit 5: Multiplication & Division Level 2   Module 2: Division by One Digit Unit 6: Mixed Operations with Whole Numbers   Module 1: Relationships of Unit 6: Mixed Operations with Whole Numbers   Module 3: Two–Four Digits by Two Digits

		Unit 6: Mixed Operations with Whole Numbers   Module 4: Three–Four Digits by Three Digits Unit 6: Mixed Operations with Whole Numbers   Module 5: Four Digits Unit 6: Mixed Operations with Whole Numbers   Module 6: Mixed Practice with Operations Unit 8: Fractions, Decimals & Percents Level 2   Module 7: Application Unit 8: Fractions, Decimals & Percents Level 2   Module 8: Mixed Review
<b>MN.4.3.</b>	<b>Geometry &amp; Measurement</b>	<b>Geometry &amp; Measurement</b>
4.3.1.	Name, describe, classify and sketch polygons.	Unit 9: Measurement, Geometry & Data   Module 1: 2-D Shapes
4.3.2.	Understand angle and area as measurable attributes of real world and mathematical objects. Use various tools to measure angles and areas.	Unit 9: Measurement, Geometry & Data   Module 2: Lines & Angles
<b>MN.4.4.</b>	<b>Data Analysis</b>	<b>Data Analysis</b>
4.4.1.	Collect, organize, display and interpret data, including data collected over a period of time and data represented by fractions and decimals.	Unit 3: Skip Counting   Module 1: Skip Counting by 2 Unit 3: Skip Counting   Module 2: Skip Counting by 3 Unit 3: Skip Counting   Module 3: Skip Counting by 4 Unit 3: Skip Counting   Module 4: Skip Counting by 5 Unit 3: Skip Counting   Module 5: Skip Counting by 6 Unit 3: Skip Counting   Module 6: Skip Counting by 7 Unit 3: Skip Counting   Module 7: Skip Counting by 8 Unit 3: Skip Counting   Module 8: Skip Counting by 9

Grade: 5 - Adopted: 2008

STANDARD	STANDARD NAME	TOUCHMATH UNITS AND MODULES
5.1.1.	Divide multi-digit numbers; solve real-world and mathematical problems using arithmetic.	<p>Unit 4: Multiplication &amp; Division Level 1   Module 2: Multiplication</p> <p>Unit 4: Multiplication &amp; Division Level 1   Module 3: Division</p> <p>Unit 4: Multiplication &amp; Division Level 1   Module 4: Strategies</p> <p>Unit 4: Multiplication &amp; Division Level 1   Module 6: Mixed Multiplication &amp; Division</p> <p>Unit 5: Multiplication &amp; Division Level 2   Module 1: Multiplication by One Digit</p> <p>Unit 5: Multiplication &amp; Division Level 2   Module 2: Division by One Digit</p> <p>Unit 5: Multiplication &amp; Division Level 2   Module 3: Multiplication Using the</p> <p>Unit 5: Multiplication &amp; Division Level 2   Module 4: Division Using the Algorithm</p> <p>Unit 5: Multiplication &amp; Division Level 2   Module 5: Multiplication by Two Digits</p> <p>Unit 5: Multiplication &amp; Division Level 2   Module 6: Division by Two Digits</p> <p>Unit 5: Multiplication &amp; Division Level 2   Module 7: Mixed Practice</p> <p>Unit 6: Mixed Operations with Whole Numbers   Module 1: Relationships of</p> <p>Unit 6: Mixed Operations with Whole Numbers   Module 2: Two–Four Digits by</p> <p>Unit 6: Mixed Operations with Whole Numbers   Module 3: Two–Four Digits by Two Digits</p> <p>Unit 6: Mixed Operations with Whole Numbers   Module 4: Three–Four Digits by Three Digits</p> <p>Unit 6: Mixed Operations with Whole Numbers   Module 5: Four Digits</p> <p>Unit 6: Mixed Operations with Whole Numbers   Module 6: Mixed Practice with Operations</p>
5.1.2.	Read, write, represent and compare fractions and decimals; recognize and write equivalent fractions; convert between fractions and decimals; use fractions and decimals in real world and	

		Unit 7: Fractions, Decimals & Percents Level 1   Module 1: Understanding Unit 7: Fractions, Decimals & Percents Level 1   Module 2: Application of Unit 7: Fractions, Decimals & Percents Level 1   Module 3: Inequalities Unit 7: Fractions, Decimals & Percents Level 1   Module 4: Mixed Numbers Unit 7: Fractions, Decimals & Percents Level 1   Module 5: Fractions Review Unit 7: Fractions, Decimals & Percents Level 1   Module 6: Decimals Unit 7: Fractions, Decimals & Percents Level 1   Module 7: Percents Unit 7: Fractions, Decimals & Percents Level 1   Module 8: Relationships of Fractions, Decimals & Percents Unit 8: Fractions, Decimals & Percents Level 2   Module 1: Addition & Subtraction of Fractions Unit 8: Fractions, Decimals & Percents Level 2   Module 3: Addition & Subtraction of Decimals Unit 8: Fractions, Decimals & Percents Level 2   Module 4: Multiplication & Division of Decimals Unit 8: Fractions, Decimals & Percents Level 2   Module 5: Percents Unit 8: Fractions, Decimals & Percents Level 2   Module 6: Mixed Practice Unit 8: Fractions, Decimals & Percents Level 2   Module 7: Application Unit 8: Fractions, Decimals & Percents Level 2   Module 8: Mixed Review Unit 10: Algebra   Module 1: Operations & Equations
5.1.3.	Add and subtract fractions, mixed numbers and decimals to solve real-world and mathematical problems.	Unit 8: Fractions, Decimals & Percents Level 2   Module 1: Addition & Subtraction of Fractions Unit 8: Fractions, Decimals & Percents Level 2   Module 3: Addition & Subtraction of Decimals Unit 8: Fractions, Decimals & Percents Level 2   Module 6: Mixed Practice Unit 8: Fractions, Decimals & Percents Level 2   Module 7: Application Unit 8: Fractions, Decimals & Percents Level 2   Module 8: Mixed Review
<b>MN.5.2.</b>	<b>Algebra</b>	<b>Algebra</b>



5.2.2.	Use properties of arithmetic to generate equivalent numerical expressions and evaluate expressions involving whole numbers.	<p>Unit 4: Multiplication &amp; Division Level 1   Module 2: Multiplication</p> <p>Unit 4: Multiplication &amp; Division Level 1   Module 4: Strategies</p> <p>Unit 6: Mixed Operations with Whole Numbers   Module 1: Relationships of</p> <p>Unit 6: Mixed Operations with Whole Numbers   Module 3: Two–Four Digits by Two Digits</p> <p>Unit 10: Algebra   Module 1: Operations &amp; Equations</p>
5.2.3.	Understand and interpret equations and inequalities involving variables and whole numbers, and use them to represent and solve real-world and mathematical	<p>Unit 10: Algebra   Module 4: Expressions</p> <p>Unit 10: Algebra   Module 5: Variables</p>
<b>MN.5.3.</b>	<b>Geometry &amp; Measurement</b>	<b>Geometry &amp; Measurement</b>
5.3.1.	Describe, classify, and draw representations of three-dimensional	<p>Unit 10: Algebra   Module 7: Geometry</p>
5.3.2.	Determine the area of triangles and quadrilaterals; determine the surface area and volume of rectangular prisms in various contexts.	<p>Unit 9: Measurement, Geometry &amp; Data   Module 4: Perimeter, Area &amp; Volume</p> <p>Unit 10: Algebra   Module 4: Expressions</p> <p>Unit 10: Algebra   Module 7: Geometry</p>

<b>MN.5.4.</b>	<b>Data Analysis</b>	<b>Data Analysis</b>
5.4.1.	Display and interpret data; determine mean, median and range.  <b><u>TouchMath</u></b>	Display and interpret data; determine mean, median and range.  <b><u>TouchMath</u></b> Unit 8: Fractions, Decimals & Percents Level 2   Module 7: Application Unit 9: Measurement, Geometry & Data   Module 8: Data Analysis