

TN STANDARDS NOT INCLUDED IN TEXTBOOK:

Develop a story problem that illustrates a given addition or subtraction number sentence.

Use rulers to measure the lengths of sides and diagonals of common 2-dimensional figures and polygons.

Predict outcomes of events based on data gathered and displayed.

Describe change in measures according to quantitative criteria such as growing 2 inches in one year.

Second Grade Academic Vocabulary

Associative property
Base-ten system
Commutative property
Dimensions
Distance
Dollar
Elapsed time/time interval
Equivalent
Event
Expanded form
Extend
Foot
Fraction
Inch
Interpret
Kilogram
Likely/unlikely
Meter/centimeter

Multiplication
One-fourth
One-third
Outcome
Perimeter
Pound
Quarter-hour
Reflect
Rotate
Second (time)
Set
Symmetry
Table
Transformations
Transitive
Translate
Unknown
Yard

FIRST NINE WEEKS – TOPICS 1, 2, 3, 4, 5

August 8th – October 6th

TOPIC	STANDARD
1	Use manipulatives to demonstrate addition and subtraction sentences written symbolically.
1	Write numbers and translate word clues to number sentences and vice versa.
1, 2	Use various models such as number lines, pictures, and base-ten blocks to illustrate addition and subtraction.
2, 3	Develop fluency at recalling basic addition facts and related subtraction facts.
2, 3	Solve addition and subtraction problems in context using various representations.
2, 4	Demonstrate skip counting on the number line and relate to repeated addition and multiplication.
2	Understand and use the commutative and associative properties of addition and multiplication.
3	Use age-appropriate books, stories, and videos to convey ideas of mathematics.
3	Find unknowns in number sentences and problems involving addition, subtraction, and multiplication.
4	Starting at any number, count by ones, twos, fives, tens, and hundreds up to 1000.
4	Read and write numbers up to 1000 using numerals and up to 100 using words.
4	Locate and interpret numbers on a number line.
4	Compare and order multi-digit numbers up to 1000.
4	Record and study patterns in lists of numbers created by repeated addition or subtraction.
5	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.

Topic 1: 8 days

Topic 3: 7 days

Topic 5: 7 days

Topic 2: 9 days

Topic 4: 11 days

SECOND NINE WEEKS –TOPICS 6, 7, 8, 9, 10**October 17th – December 15th**

TOPIC	STANDARD
6, 8, 9, 10	Solve addition and subtraction problems in context using various representations.
8, 9, 10	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).
6, 7, 10	Apply appropriate methods to estimate and mentally calculate sums or differences with one, tens, and hundreds.
8, 10	Add three two-digit numbers.
6, 8, 9, 10	Solve addition and subtraction problems in context using various representations.
6	Given a description, extend or find a missing term in a pattern or sequence.

Topic 6: 6 days**Topic 8:** 8 days**Topic 10:** 8 days**Topic 7:** 6 days**Topic 9:** 8 days

THIRD NINE WEEKS – TOPICS 11, 12, 13, 14, 15

January 3rd – March 9th

TOPIC	STANDARD
11	Use manipulatives such as pattern blocks, tangrams, etc. to explore geometric concepts of symmetry and transformations.
11	Describe common geometric attributes of familiar plane and solid objects.
11	Reflect, rotate, and translate shapes to explore the effects of transformations.
11	Investigate and describe composition, decomposition and transformations of polygons.
11	Combine polygons to form other polygons and subdivide a polygon into other polygons.
11	Recognize the composition and decomposition of polygons.
12	Use concrete models or pictures to show whether a fraction is less than a half, more than a half, or equal to a half.
12	Match the spoken, written, concrete, and pictorial representations of halves, thirds, and fourths.
13	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).
13	Estimate measure, and calculate length to the nearest unit: meter, centimeter, yard, foot, and inch.
13	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).
14	Measure weight to the nearest pound or kilogram
15	Read and write time up to five-minute intervals.
15	Relate days, dates, weeks, months, and years to a calendar.
15	Use strategies to make estimates of time.
15	Solve problems involving elapsed time in hour and half-hour intervals.
15	Read thermometers with Fahrenheit and Celsius scales.

Topic 11: 9 days

Topic 13: 9 days

Topic 15: 7 days

Topic 12: 7 days

Topic 14: 9 days

FOURTH NINE WEEKS – TOPICS 16, 17, 18, 19, 20

March 19th – May 21st

TOPIC	STANDARD
16	Read, interpret, and analyze data shown in tables, bar graphs, and picture graphs.
16	Read, interpret, and create tables using tally marks.
16	Explain whether a real world event is likely or unlikely.
17	Starting at any number, count by ones, twos, fives, tens and hundreds up to 1000.
17	Read and write numbers up to 1000 using numerals and up to 100 using words.
17	Recognize that place-value notation represents the sums of multiples of powers of ten (e.g., 853 as 8 hundreds, + 5 tens + 3 ones).
17	Compare and order multi-digit numbers up to 1000.
17	Given a description, extend or find a missing term in a pattern or sequence.
18	Use various models such as number lines, pictures, and base-ten blocks to illustrate addition and subtraction.
18	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).
18	Apply appropriate methods to estimate and mentally calculate sums or differences with ones, tens, and hundreds.
18	Read, interpret, and analyze data shown in tables, bar graphs, and picture graphs.
19, 20	Use age-appropriate books, stories, and videos to convey ideas of mathematics.
19	Relate patterns in skip counting to multiplication.
19	Understand and use the commutative and associative properties of addition and multiplication.
19	Relate repeated addition to multiplication.
20	Generalize the patterns resulting from the addition, subtractions and multiplication of combinations of odd and even numbers.

Topic 16: 8 days

Topic 18: 10 days

Topic 20: 6 days

Topic 17: 10 days

Topic 19: 7 days