



Trumbull Public Schools Report Card Companion for Grade 1



The First Grade Child:

- Loves to ask questions
- Learns best through discovery
- Likes to “work” and explain things

IN GRADE 1, students will work with whole numbers and place value—including grouping numbers into tens and ones as they learn to add and subtract through 20. Students will also use charts, tables, and diagrams to solve problems.

BY THE END OF THE SCHOOL YEAR most 1st grade students will be able to do the following with consistency:

- Quickly and accurately add numbers together that total to 10 or less and subtracting from numbers up through 10.
- Understand the rules of addition and subtraction (for example, $5+2=2+5$).
- Solve word problems that involve adding or subtracting numbers through 20.
- Understand what the different digits mean in two-digit numbers (place value).
- Compare two-digit numbers using the symbols:

$>$ (more than), $=$ (equal to), and $<$ (less than)

- Understand the meaning of the equal sign ($=$) and determine if statements involving addition and subtraction are true or false (for example, which of the following statements are true? $3+3=6$, $4+1=5+2$).
- Add one- and two-digit numbers together.
- Measure the lengths of objects using a shorter object as a unit of length.
- Put objects in order from longest to shortest or shortest to longest.
- Organize objects into categories and compare the number of objects in different categories.
- Divide circles and rectangles into halves and quarters.



Trumbull Public Schools
Report Card Companion for Grade 1

Trimester 1 Expectations for Mathematics

Quantity, Measurement, and Data

- Not assessed in Trimester 1

Numerical Operations and Algebraic Thinking

- Represent and solve problems involving addition and subtraction.
- Understand and apply properties of operations and also the relationship between addition and subtraction. For example, if $5 + 4 = 9$ is known, then $4 + 5 = 9$ is also known.
- Most students arrive in grade 1 knowing addition and subtraction facts within five. In Trimester- 1 they will practice addition and subtraction facts within twelve to confidently know sums and differences.
- Use manipulatives to explain the action of addition and subtraction word problems and write corresponding equations.
- Extend the counting sequence to one hundred. Students write numbers, and count on to, or count back from, any number within one hundred.
- Develop understanding of place value (tens, and ones) using manipulatives and games to identify, record, calculate with tens and ones.



Geometry

- Reason with shapes and their attributes.



Trumbull Public Schools
Report Card Companion for Grade 1

Trimester 2 Expectations for Mathematics

Quantity, Measurement, and Data

- Measure lengths indirectly and by iterating length units. Students order objects by length and compare lengths.
- Represent and interpret data.

Numerical Operations and Algebraic Thinking

- Represent and solve problems involving addition and subtraction. Students solve word problems within 20 and add sums with up to three whole numbers.
- Understand and apply properties of operations and the relationship between addition and subtraction.
- Add and subtract within 20. Students work on addition and subtraction facts to become fluent (*know-by-heart!*) with addition and subtraction facts to 10 by the end of grade 1.
- Work with addition and subtraction equations. Students know the meaning of the = sign and determine if addition and subtraction equations are true or false.
- Extend the counting sequence. Students count up to 120 starting at any number less than 120. They read and write numbers to 120.
- Develop understanding of place value (tens, and ones)
Students compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols $>$, $=$, $<$.



Geometry

- Not assessed in Trimester 2



Trumbull Public Schools
Report Card Companion for Grade 1

Trimester 3 Expectations for Mathematics

Quantity, Measurement, and Data

- Tell and write time to the hour and half hour.



Numerical Operations and Algebraic Thinking

- Represent and solve problems involving addition and subtraction. Students solve word problems within 20 and add sums with up to three whole numbers.
- Understand and apply properties of operations and the relationship between addition and subtraction.
- Add and subtract within 20. Students work on addition and subtraction facts to become fluent (*know-by-heart!*) with addition and subtraction facts to 10 by the end of grade 1. Students must practice basic facts over the summer!
- Work with addition and subtraction equations. Students know the meaning of the = sign and determine if addition and subtraction equations are true or false.
- Extend the counting sequence. Students count up to 120 starting at any number less than 120. They read and write numbers to 120.
- Develop understanding of place value (tens, and ones)
Students compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols $>$, $=$, $<$.
Students determine the unknown whole in an addition or subtraction equation relating three whole numbers.
- Use place value understanding and properties of operations to add and subtract within 100. When given a two digit number students can mentally add 10 more or 10 less than the number without having to count.

Geometry

- Reason with shapes and their attributes. Distinguish identifying attributes of shapes. Compose two-dimensional shapes and three-dimensional shapes to create composite shapes.