



## Trumbull Public Schools Report Card Companion for Grade 3

### The Third Grade Child:

- Is full of energy and imagination which needs to be given focus
- Learns best when work is designed in bite-sized pieces
- Enjoys working cooperatively
- Needs lots of physical activity
- Has a rapidly expanding vocabulary



**IN GRADE 3**, students will continue to build their concept of numbers, developing an understanding of fractions as numbers. They will learn the concepts behind multiplication and division and apply problem-solving skills and strategies for multiplying and dividing numbers up through 100 to solve word problems. Students will also make connections between the concept of the area of a rectangle and multiplication and addition of whole numbers.

**BY THE END OF THE SCHOOL YEAR** most 3rd grade students will be able to do the following with consistency:

- Understand and explain what it means to multiply or divide numbers
- Multiply all one-digit numbers from memory (knowing their times table)
- Multiply one-digit numbers by multiples of 10 (such as 20, 30, and 40)
- Solve two-step word problems using addition, subtraction, multiplication, and division
- Understand the concept of area
- Relate the measurement of area to multiplication and division
- Understand fractions as numbers
- Identify a fraction as a number on a number line
- Compare the size of two fractions
- Express whole numbers as fractions and identify fractions that are equal to whole numbers (for example, recognizing that  $\frac{3}{1}$  and 3 are the same number)
- Measure weights and volumes and solving word problems involving these measurements
- Represent and interpret data



Trumbull Public Schools  
Report Card Companion for Grade 3  
Trimester 1 Expectations for Mathematics

**Numerical Operations and Algebraic Thinking**

- Use place value understanding to round whole numbers to the nearest 10 or 100.
- Add and subtract within 1,000 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.
- Represent and solve problems using multiplication and division.
- Understand properties of multiplication and the relationship between multiplication and division. Multiply and divide within 100.
- Understand properties of multiplication.
- Multiply within 100.



**Quantity, Measurement, and Data**

- Represent and interpret data on bar-graphs and picto-graphs.

**Geometry**

- Not assessed in Trimester 1

**Basic Fact Fluency**

Basic Facts are assessed six times each trimester. In Trimester 1 students are assessed on addition and subtraction problems. The report card shows the number of correct responses for each assessment out of 40 problems. Students have 2.5 minutes to complete the assessment. The expectation is for grade 3 students to solve all problems correctly.

Tri-1 Basic Fact Assessments 1, 2, 3 Addition Facts (40 problems)	Tri-1 Basic Fact Assessments 4, 5, 6 Subtraction Facts (40 problems)
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## Trumbull Public Schools Report Card Companion for Grade 3

### Trimester 2 Expectations for Mathematics

#### Numerical Operations and Algebraic Thinking

- Represent and solve problems involving multiplication and division.
- Understand properties of multiplication and the relationship between multiplication and division. Multiply and divide within 100.
- Solve two step word problems involving the four operations, and identify and explain patterns.
- Use place value understanding to round whole numbers to the nearest 10 or 100.
- Add and subtract within 1,000 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction. Multiply one-digit whole numbers by multiples of 10.
- Develop an understanding of fractions as numbers.



#### Quantity, Measurement, and Data

- Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.
- Understand concepts of area and relate area to multiplication and to addition.
- Recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.
- Generate measurement data by measuring lengths using rulers mark with halves and fourths of an inch. Show data by creating line plots.

#### Geometry

- Reason with shapes and their attributes.
- Understand that shapes in different categories may share attributes and that the shared attributes can define a larger category.

#### Basic Fact Fluency

Basic Facts are assessed six times each trimester. In Trimester 2, grade 3 students are assessed on multiplication problems only. The report card shows the number of correct responses for each assessment out of 30 problems. Students have 2.5 minutes to complete the assessment. The expectation is for grade 3 students to solve all problems correctly.

**Tri-2 Basic Fact Assessments 1-6: Multiplication Facts (30 problems)**



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Trimester 3 Expectations for Mathematics

**Numerical Operations and Algebraic Thinking**

- Represent and solve problems involving multiplication and division.
- Understand properties of multiplication and the relationship between multiplication and division.
- Fluently multiply and divide within 100 using strategies such as the relationship between multiplication and division.
- Solve two step word problems involving the four operations, and identify and explain patterns.
- Use place value understanding to round whole numbers to the nearest 10 or 100.
- Fluently add and subtract within 1,000 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction. Multiply one-digit whole numbers by multiples of 10.
- Understand a fraction as a number on the number line: represent fractions on a number line diagram.
- Explain equivalence of fractions and compare fractions by reasoning about their size. Recognize and generate simple equivalent fractions and explain why they are equivalent using a visual fraction model.



**Quantity, Measurement, and Data**

- Not assessed in Trimester 3

**Geometry**

- Not assessed in Trimester 3

**Basic Fact Fluency**

Basic Facts are assessed six times each trimester. In Trimester 3, grade 3 students are assessed on multiplication and division problems. The report card shows the number of correct responses for each assessment out of 30 problems. Students have 2.5 minutes to complete the assessment. The expectation is for grade 3 students to solve all problems correctly.

Tri-3 Basic Fact Assessments 1, 2, 3 Multiplication Facts (30 problems)	Tri-3 Basic Fact Assessments 4, 5, 6 Division Facts (30 problems)
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