Standards Correlated to **Mathematics Readers Grade 3 10817**

New York State P-12 Common Core Learning Standards

Grade 3

Mathematics

STRAND / DOMAIN	NY.CC.3.MP.	Mathematical Practices
CATEGORY / CLUSTER	3.MP.4.	Model with mathematics.
		Correlated Lessons: **My Lemonade Stand Reader; The World of Trade Reader Objective 25: Represents problem situations in a variety of ways (e.g., translates from a diagram to a number or symbolic expression)**
STRAND / DOMAIN	NY.CC.3.OA.	Operations and Algebraic Thinking
CATEGORY / CLUSTER		Represent and solve problems involving multiplication and division.
STANDARD	3.OA.2.	Interpret whole-number quotients of whole numbers, e.g., interpret 56 / 8 as the number of objects in each share when 56 objects are partitioned equally into 8 shares, or as a number of shares when 56 objects are partitioned into equal shares of 8 objects each. For example, describe a context in which a number of shares or a number of groups can be expressed as 56 / 8.
		Correlated Lessons: **What Are Budgets? Reader; Our Vacation Budget Reader Objective 51: Understands the concept of a unit and its subdivision into equal parts (part-whole relationship) (e.g., understands that a dollar equals 100 pennies)**
STANDARD	3.OA.3.	Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.

Correlated Lessons:
At the Fire Station Reader Objective 43: Solves real-world problems involving number operations-multiplication and division (e.g., finds total measurements of length or volume, measuring a perimeter of an area)

My Lemonade Stand Reader; The World of Trade Reader Objective 27: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., computations involving recipes, computations with dollars and cents)

Tracking Time Reader; Timing Races Reader Objective 38: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., uses problems involving elapsed time)

CATEGORY / CLUSTER	Multiply and divide within 100.
STANDARD 3.OA.7.	Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that 8 x 5 = 40, one knows 40 / 5 = 8) or properties of operations. By the end of Grade 3, know from memory all products of two one-digit numbers.

Correlated Lessons:
At the Fire Station Reader Objective 42: Multiplies and divides whole numbers

My Lemonade Stand Reader Objective 26: Multiplies whole numbers (integers)

The World of Trade Reader; Tracking Time Reader; Timing Races Reader Objective 29: Uses or performs basic mental computations (e.g., addition, subtraction and multiplication of whole numbers/integers)

CATEGORY / CLUSTER	Solve problems involving the four operations, and identify and explain patterns in arithmetic.

STANDARD   3.OA.8.   Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

Correlated Lessons:
At the Fire Station Reader Objective 43: Solves real-world problems involving number operations-multiplication and division (e.g., finds total measurements of length or volume, measuring a perimeter of an area)

My Lemonade Stand Reader; The World of Trade Reader Objective 27: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., computations involving recipes, computations with dollars and cents)

Tracking Time Reader; Timing Races Reader Objective 38: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., uses problems involving elapsed time)

STANDARD   3.OA.9.   Identify arithmetic patterns (including patterns in the addition table or multiplication table), and explain them using properties of operations. For example, observe that 4 times a number is always even, and explain why 4 times a number can be decomposed into two equal addends.

Correlated Lessons:
My Lemonade Stand Reader; The World of Trade Reader Objective 28: Recognizes a variety of number patterns (e.g., basic linear patterns such as [2,4,6,8&]; simple, repeating, growing patterns) and the rules that explain them

The World of Trade; My Lemonade Stand Page 81 Objective 06: Students will recognize, create, extend, and continue numerical patterns.

STRAND / DOMAIN	NY.CC.3.MD.	Measurement and Data
CATEGORY / CLUSTER		Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.
STANDARD	3.MD.1.	Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.

Correlated Lessons:
Tracking Time Reader; Timing Races Reader Objective 38: Solves real-world problems involving number operations-addition, subtraction, multiplication, division (e.g., uses problems involving elapsed time)

Tracking Time; Timing Races Page 177 Objective 12: Students will calculate real-life problems using elapsed time.

CATEGORY / CLUSTER		Represent and interpret data.
STANDARD	3.MD.3.	Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs. For example, draw a bar graph in which each square in the bar graph might represent 5 pets.

Correlated Lessons:
Collecting Data Reader; Reading the Newspaper Reader Objective 23: Reads and interprets simple bar graphs and frequency tables (analyze data)

Wildlife Scientists Reader; At Risk! Reader Objective 48: Organizes and displays and analyzes data in simple bar graphs

Wildlife Scientists Reader; At Risk! Reader Objective 49: Reads, analyzes and interprets simple bar graphs, pictographs, line graphs, and frequency tables

**Wildlife Scientists; At Risk! Page 201 Objective 14:
Students will organize, create, display, and read data in
simple bar graphs, pictographs, circle graphs (pie charts)
and charts.**

STRAND / DOMAIN	NY.CC.3.G.	Geometry
CATEGORY / CLUSTER		Reason with shapes and their attributes.
STANDARD	3.G.2.	Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole. For example, partition a shape into 4 parts with equal area, and describe the area of each part as 1/4 of the area of the shape.

Correlated Lessons:
**What Are Budgets? Reader; Our Vacation Budget
Reader Objective 51: Understands the concept of a unit
and its subdivision into equal parts (part-whole
relationship) (e.g., understands that a dollar equals 100
pennies)**