

Marilyn Burns Math Libraries Grade K

CONCEPTS/SKILLS	TITLES
Counting	<i>1 2 3 Book</i>
Bigger, Smaller	<i>A Pig Is Big</i>
Counting Backward	<i>Dreaming</i>
Counting	<i>Fiesta!</i>
Counting Backward, Subtraction	<i>Five Little Monkeys Jumping on...</i>
Counting Backward, Subtraction	<i>Five Little Monkeys Sitting in a Tree</i>
Counting, Adding Doubles	<i>George's Store at the Shore</i>
Counting	<i>Good Night, Gorilla</i>
Counting, Graphing	<i>Gray Rabbit's 1,2,3</i>
Counting, Addition, Subtraction	<i>Let's Count it Out, Jesse Bear</i>
Counting, Addition	<i>Let's Go Visiting</i>
Counting Backwards	<i>Monster Math</i>
Addition	<i>Monster Math Picnic</i>
Addition	<i>Monster Musical Chairs</i>
Shape Recognition, Graphing	<i>Pancakes, Crackers, and Pizza</i>
Counting, Patterns	<i>Puppies in the Snow</i>
Counting, Addition, Subtraction	<i>Rooster's Off to See the World</i>
Counting Backward, Story Problems	<i>Ten Little Bears</i>
Counting Backward, Addition Combinations	<i>Ten Little Fish</i>
Counting Backward, Time	<i>Ten, Nine, Eight</i>
Counting Backward	<i>Ten Timid Ghosts</i>
Counting	<i>Trick or Treat Countdown</i>
Shape Recognition	<i>What is a Triangle?</i>
Shape Recognition	<i>What is Round?</i>
Shape Recognition	<i>What is Square?</i>

Marilyn Burns Math Libraries Grade 1

CONCEPTS/SKILLS	TITLES
Counting, Time	<i>10 Minutes Till Bedtime</i>
Addition, Subtraction	<i>Cats Add Up!</i>
Addition, Subtraction	<i>Fat Frogs on a Skinny Log</i>
Counting, Starting	<i>Feast for 10</i>
Counting	<i>Icky Bug Counting Book</i>
Addition, Money	<i>Jelly Beans for Sale</i>
Counting, Addition, Subtraction	<i>Mouse Count</i>
Counting, Number Sense	<i>One Monday Morning</i>
Addition	<i>One More Bunny</i>
Addition	<i>Quack and Count</i>
Skip Counting	<i>Ready or Not, Here I Come!</i>
Shape Recognition	<i>Sea Shapes</i>
Ordinal Numbers	<i>Seven Blind Mice</i>
Shape Recognition	<i>Shape of Things</i>
Shape Recognition	<i>Shape Space</i>
Addition	<i>Splash</i>
Counting, Addition	<i>Ten Black Dots</i>
Counting, Addition, Subtraction	<i>Ten Red Apples</i>
Counting Backward, Subtraction	<i>Ten Sly Piranhas</i>
Counting, Addition, Subtraction	<i>Trick-or-Treat!</i>
Graphing, Number Patterns	<i>Two Eyes, a Nose, and a Mouth</i>
Shape Recognition	<i>When a Line Bends...A Shape...</i>
Counting, Ordinal Numbers, Doubles, Addition	<i>One, Two, Skip a Few</i>
Addition, Weight	<i>Just a Little Bit</i>
Counting, Place Value	<i>From One to One Hundred</i>

Marilyn Burns Math Libraries Grade 2

CONCEPTS/SKILLS	TITLES
Addition, Number Sense	<i>10 for Dinner</i>
Place Value, Addition	<i>1001 Animals to Spot</i>
Number Sense, Skip Counting	<i>100th Day Worries</i>
Addition, Number Sense	<i>12 Ways to Get to 11</i>
Addition, Money	<i>A Quarter from the Tooth Fairy</i>
Permutations	<i>A Three Hat Day</i>
Graphing	<i>Bein' with You This Way</i>
Length	<i>Biggest, Strongest, Fastest</i>
Addition, Subtraction	<i>Chrysanthemum</i>
Skip Counting, Number Patterns	<i>How Many Feet in the Bed</i>
Length	<i>Inch by Inch</i>
Place Value	<i>King's Commissioners</i>
Addition	<i>Math Fables</i>
Place Value, Number Sense	<i>More Than One</i>
Doubles	<i>My Monster Mama Loves Me So</i>
Addition	<i>Napping House</i>
Number Sense, Skip Counting	<i>One Hundred Ways to Get to...</i>
Division, Number Sense, Shapes	<i>One Hungry Cat</i>
Number Sense	<i>Only One</i>
Fractions	<i>Pizza Pizzaz</i>
Shapes	<i>Round is a Mooncake</i>
Sorting, Graphing	<i>So You Want to President</i>
Addition, Number Sense	<i>Stay in Line</i>
Even Numbers	<i>Underwater Counting</i>
Addition, Multiplication	<i>What Comes in 2's, 3's, & 4's?</i>

Marilyn Burns Math Libraries Grade 3

CONCEPTS/SKILLS	TITLES
Money, Addition, Subtraction	<i>Alexander, Who Used to Be Rich...</i>
Multiplication	<i>Amanda Bean's Amazing Dream</i>
Money, Addition, Subtraction, Multiplication, Division	<i>Annabelle Swift, Kindergartner</i>
Addition, Multiplication	<i>Bats on Parade</i>
Multiplication	<i>Best of Times</i>
Place Value	<i>Count to a Million</i>
Division	<i>Doorbell Rang</i>
Multiplication	<i>Each Orange Has 8 Slices</i>
Fractions	<i>Eating Fractions</i>
Number Sense	<i>512 Ants on Sullivan Street</i>
Proportional Reasoning, Fractions, Length	<i>George Shrinks</i>
Fractions	<i>Give Me Half</i>
Addition, Multiplication, Number Sense	<i>Grapes of Math</i>
Polygons	<i>Greedy Triangle</i>
Length	<i>How Big is a Foot?</i>
Estimation, Large Numbers	<i>How Much, How Many, How Far...</i>
Addition, Subtraction, Multiplication	<i>Math for All Seasons</i>
Money, Addition	<i>Max's Money</i>
Addition, Mental Computation	<i>Night Noises</i>
Addition	<i>One Duck Stuck</i>
Multiplication	<i>One Hundred Hungry Ants</i>
Place Value, Addition	<i>1001 Things to Spot in the Sea</i>
Addition, Subtraction, Money	<i>Pigs Will Be Pigs</i>
Multiplication, Square Numbers	<i>Sea Squares</i>
Skip Counting, Addition, Multiplication	<i>Spunky Monkeys on Parade</i>

Marilyn Burns Math Libraries Grade 4-6

CONCEPTS/SKILLS	TITLES
Addition	<i>\$1.00 Word Riddle Book</i>
Number Sense	<i>A Million Fish...More or Less</i>
Subtraction, Proportional Reasoning, Length, Weight	<i>Amazing Book of Mammal Records</i>
Properties of Numbers	<i>Among the Odds & Evens</i>
Multiplication	<i>Anno's Mysterious Multiplying Jar</i>
Properties of Shapes, Tessellations	<i>Clock for the Dreamer</i>
Addition, Multiplication, Average, Length	<i>Counting Crocodiles</i>
Length, Proportional Reasoning	<i>Cut Down to Size at High Noon</i>
Coordinate Graphing	<i>Fly on the Ceiling</i>
Whole Number Computation, Number Sense	<i>How Much is a Million?</i>
Whole Number Computation, Money, Shapes, Logical Reasoning	<i>I Hate Mathematics! Book</i>
Length, Proportional Reasoning	<i>If You Hopped Like a Frog</i>
Length, Proportional Reasoning	<i>Is a Blue Whale the Biggest Thing...</i>
Length, Proportional Reasoning	<i>Jim and the Beanstalk</i>
Frequency Distribution	<i>Martha Blah Blah</i>
Whole Number Computation, Number Sense	<i>Math Appeal</i>
Whole Number Computation, Algebraic Equivalence, Logical Reasoning	<i>Math for Smarty Pants</i>
Addition, Number Sense	<i>One Grain of Rice</i>
Whole Number Computation	<i>One Tiny Turtle</i>
Division, Remainders	<i>Remainder of One</i>
Roman Numerals	<i>Roman Numerals I to MM</i>
Area, Perimeter	<i>Spaghetti and Meatballs for All</i>
Graphing	<i>Tiger Math, Learning to Graph...</i>
Graphing, Averages	<i>Tikki Tikki Tembo</i>
Computation, Graphing, Pounds, Ounces	<i>Wilma Unlimited</i>

How does understanding equivalent fractions, help you to add or subtract fractional amounts?

4.NF.A.1 & 5.NF.A.1

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Explain with words, pictures and numbers, how do you add or subtract fractional amounts with like denominators?

4.NF.B.3

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Explain with words, pictures and numbers, how do you add or subtract fractional amounts with unlike denominators?

5.NF.A.1

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Why don't you add the denominators when adding or subtracting fractional amounts?

4.NF.B.3 & 5.NF.A.1

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ORDER OF OPERATIONS

P

E

M / D



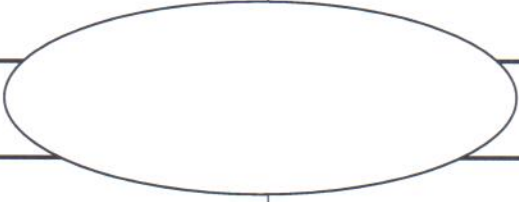
A / S

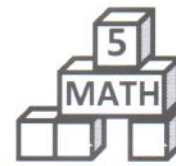


Sample Semantic Feature Analysis Grid for Quadrilaterals (cuadrilátero)						
Term	Sides Equal	Angles Equal	Opposite Sides Parallel	Opposite Sides Equal	Only One Pair of Parallel Sides	Four Sides
Parallelogram (paralelogramo)			X	X		X
Rectangle (rectángulo)		X	X	X		X
Rhombus (rombo)	X		X	X		X
Scalene Quadrilateral (cuadrilátero escaleno)						X
Square (cuadrado)	X	X	X	X		X
Trapezoid (trapezoide)					X	X

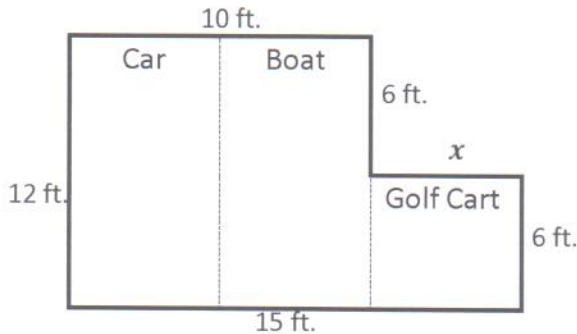
Frayer Model

DEFINITION	CHARACTERISTICS
EXAMPLES/MODELS	NON-EXAMPLES





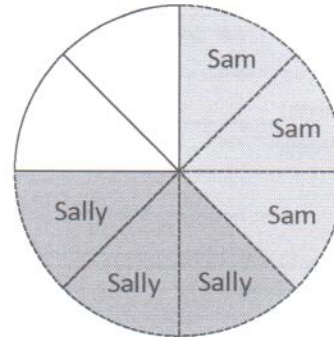
1. Nathan built a large storage unit for his car, boat, and golf cart. The perimeter of the storage unit is 54 feet. What is the length of the missing side, x ?



$$15 + 12 + 10 + 6 + x + 6 = 54$$

Answer: _____

2. A pizza was cut into 8 equal pieces. Sam ate $\frac{3}{8}$ of the pizza, and Sally ate $\frac{3}{8}$ of the pizza. How much of the pizza is left for Luis? Write a number sentence and then solve.



Number Sentence: _____

Answer: _____

3. Marco ran 3.548 kilometers this morning. Marco's distance is equivalent to 354,800 centimeters. Record the kilometer measurement in two forms.

Expanded form: _____

Word form: _____

4. Mr. Moreno is a contractor. He purchased \$400.00 of paint at the hardware store. The tax added was \$32.00. Circle the type of tax which was added to Mr. Moreno's purchase.

- Income tax
- Sales tax
- Property tax
- Payroll tax

5. Judah ran the 100-meter race in 10.287 seconds. Samson ran the race in 10.278 seconds. Determine the winner and compare the two times. Use $>$, $<$ or $=$.

Winner: _____

$$10.287 \bigcirc 10.278$$

6. Fisherman Fred caught an alligator gar weighing 119.548 kilograms. What is the weight of the gar rounded to the nearest hundredth?



Answer: _____