

1st Quarter
Grade 3 Singapore Math

Unit 1: Numbers to 10,000 (Number Sense, Properties, and Operations)				
Standard 1: Demonstrate understanding of numbers, ways of representing numbers, relationships among numbers, and numbers system.				
Week	Objectives	Students' Performance Indicators	SA	TA
1	Read and write numbers to 10,000 using base-ten numerals, number names and expanded form.	✓ I can read numbers less than 10,000.		
	Identify place values for numbers from 1 to 10,000 and use manipulatives to represent packages of ones, tens, hundreds, and thousands, or a combination of these	✓ I can write numbers less than 10,000.		
		✓ I can relate each digit in a 4-digit number to its place value.		
	Compare and order numbers in the range of 100 to a 10,000 based on the meanings of the hundreds, tens, and ones digits, and use the symbols $>$, $=$, and $<$ to record the results of comparisons.	✓ I compare 4-digit numbers within 10,000.		
		✓ I can order numbers within 10,000		
	Round whole numbers to the nearest ten and hundred, thousand, and ten thousand.	✓ I can round whole numbers to the nearest ten and hundred, thousand, and ten thousand.		
	Estimate the answers in addition and subtraction.	✓ I can estimate the answers in addition and subtraction.		
Unit 2: Addition and Subtraction (Number Sense, Properties, and Operation)				
Standard 3: Demonstrate fluency in computations and make reasonable estimates.				
2	Mentally add, subtract by 10,100, or 1,000, given a number 1 – 9999, without having to count.	✓ I can do mental math addition of 1,10,100,1000 to a number within 10,000.		
		✓ I can do mental math subtraction of 1,10,100,1000 to a number within 10,000		
	Add and subtract within 10,000 using strategies based on place value, properties of operations, and or the relationship between addition and subtraction.	✓ I can add within 10,000 using strategies based on place value.		
		✓ I can subtract within 10,000 using strategies based on place value.		
	Add up to two 4-digit numbers using strategies based on place value and properties of operation.	✓ I can add up to two 4-digit numbers using strategies based on place value and properties of operation.		
Standard 2: Demonstrate understanding of, and facility, accuracy and efficiency with, operations on numbers, their meanings and order, how they relate to each other.				
3	Solve addition and subtraction problems in expanded notation, with and without regrouping, or using concrete models, drawings and other strategies based	✓ I can solve addition problems in expanded notation without regrouping using concrete, pictorial, or bar models.		
		✓ I can solve addition problems in expanded notation with regrouping using concrete, pictorial, or bar models.		
		✓ I can solve subtraction problems in expanded notation without regrouping using concrete, pictorial, or bar models.		
		✓ I can solve subtraction problems in expanded notation with regrouping using concrete, pictorial, or bar models.		

Unit 3 Multiplication and Division (Number Sense, Properties, and Operation)				
Standard 3: Demonstrate fluency in computations and make reasonable estimates.				
4	Objectives	Students' Performance Indicators	SA	TA
	Multiply tens or hundreds by a 1-digit number.	✓ I can multiply tens or hundreds by 1-digit number.		
	Multiply a 2-digit or 3-digit number by 2,3,4, or 5.	✓ I can multiply a 2-digit or 3-digit number by 2,3,4, or 5.		
		✓ I can multiply a 2-digit or 3-digit number by 2,3,4, or 5 with speed and accuracy.		
5	Divide a 2-digit or 3-digit number by 2,3,4, or 5.	✓ I can divide a 2-digit or 3-digit number by 2,3,4, or 5.		
		✓ I can divide a 2-digit or 3-digit number by 2,3,4, or 5 with speed and accuracy.		
6	Multiply or divide within 100 to solve word problems in everyday situations involving equal groups, array and measuring quantities.	✓ I can multiply or divide within 100 to solve word problems in everyday situations involving equal groups, array and measuring quantities.		

End of 1st Quarter

2nd Quarter
Grade 3 Singapore Math

Unit 4: Multiplication and Division (Number Sense, Properties, and Operations)
Standard 3: Demonstrate fluency in computations and make reasonable estimates.

Week	Objectives	Students' Performance Indicators	SA	TA
1	Master the facts for multiplication tables 6,7,8, and 9.	✓ I have mastered multiplication tables of 6,7,8,and 9.		
2	Multiply and divide by 6.	✓ I can determine new facts for multiplication by 6 from known facts.		
		✓ I have achieved mastery for multiplication by 6.		
		✓ I can relate division by 6 to multiplication by 6.		
		✓ I can multiply numbers within 1,000 by 6.		
		✓ I can divide numbers within 1,000 by 6.		
3	Multiply and divide by 7.	✓ I can determine new facts for multiplication by 7 from known facts.		
		✓ I have achieved mastery for multiplication by 7.		
		✓ I can relate division by 6 to multiplication by 7.		
		✓ I can multiply numbers within 1,000 by 7.		
		✓ I can divide numbers within 1,000 by 7.		
4	Multiply and divide by 8.	✓ I can determine new facts for multiplication by 7 from known facts.		
		✓ I have achieved mastery for multiplication by 8.		
		✓ I can relate division by 6 to multiplication by 8.		
		✓ I can multiply numbers within 1,000 by 8.		
		✓ I can divide numbers within 1,000 by 8.		
5	Multiply and divide by 9.	✓ I can determine new facts for multiplication by 9 from known facts		
		✓ I have achieved mastery for multiplication by 9.		
		✓ I can relate division by 6 to multiplication by 9.		
		✓ I can multiply numbers within 1,000 by 9.		
		✓ I can divide numbers within 1,000 by 9.		

Unit 5: Money (Unit System and Measurement)				
Standard 4: Demonstrate understanding of units, systems, processes of measurement, and measurable attributes of objects.				
6	Count sets of bills, and coins.	✓ I can count sets of bills and coins.		
	Recognize, read, and write decimal notation for money.	✓ I can recognize, read, and write decimal notation for money.		
	Convert dollars and cents to cents, and cents to dollars and cents.	✓ I can convert dollars and cents to cents, and cents to dollars and cents.		
	Write amounts of money in words and in figures.	✓ I can write amounts of money in words and in figures.		
7	Add and subtract money within \$100.	✓ I can add money within \$10, using mental math.		
		✓ I can solve word problems involving the addition of money.		
	Subtract money within \$100.	✓ I can subtract money within \$10, using mental math.		
		✓ I can solve word problems involving the subtraction of money.		

End of 2nd Quarter

3rd Quarter
Grade 3 Singapore Math

Unit 6: Length (Unit System and Measurement)				
Standard 4: Demonstrate understanding of units, systems, processes of measurement, and measurable attributes of objects.				
Week	Objectives	Students' Performance Indicators	SA	TA
1	Know meters and centimeters as units of length.	✓ I know meters and centimeters as units of length.		
	Estimate and measure lengths in meters and centimeters.	✓ I can estimate and measure lengths in meters and centimeters.		
	Convert meters and centimeters to centimeters.	✓ I can convert meters and centimeters to centimeters.		
	Convert centimeters to meters and centimeters from meters.	✓ I can convert centimeters to meters and centimeters from meters.		
	Subtract centimeters from meters.	✓ I can subtract centimeters from meters.		
	Add lengths in meters and centimeters.	✓ I can add lengths in meters and centimeters.		
	Subtract lengths in meters and centimeters.	✓ I can subtract lengths in meters and centimeters.		
2	Know kilometers as a unit of length.	✓ I know kilometers as a unit of length.		
	Convert kilometers and meters to meters.	✓ I can convert kilometers and meters to meters.		
	Convert meters to kilometers and meters.	✓ I can convert meters to kilometers and meters.		
	Subtract meters from kilometers.	✓ I can subtract meters from kilometers.		
	Add meters to kilometers and meters.	✓ I can add meters to kilometers and meters.		
	Subtract lengths in kilometers and meters.	✓ I can subtract lengths in kilometers and meters.		
3	Know yards and feet.	✓ I know now yards and feet.		
	Estimate and measure in yards and feet.	✓ I can estimate and measure in yards and feet.		
	Convert yards and feet to feet.	I can convert yards and feet to feet.		
	Convert feet to yards and feet.	✓ I can convert feet to yards and feet.		
	Estimate and measure in inches.	✓ I can estimate and measure in inches.		
4	Convert feet and inches to feet and inches.	✓ I can convert feet and inches to feet and inches.		
	Add lengths in yards and feet.	✓ I can add lengths in yards and feet.		
	Add lengths in feet and inches.	✓ I can add lengths in feet and inches.		
	Recognize miles as a unit of measurement.	✓ I can recognize miles as a unit of measurement.		

5	Unit7: Capacity (Unit System and Measurement)			
	Standard 4: Demonstrate understanding of units, systems, processes of measurement, and measurable attributes of objects.			
	Know liter and millimeter.	✓ I know liter and millimeter.		
	Estimate and measure capacity in liters and milliliters.	✓ I can estimate and measure capacity in liters and milliliters.		
	Convert between milliliters and liters.	✓ I can convert between milliliters and liters.		
	Add capacity in liters and milliliters.	✓ I can add capacity in liters and milliliters.		
	Subtract capacity in liters and milliliters	✓ I can subtract capacity in liters and milliliters		
6	Solve word problems involving capacity.	✓ I can solve word problems involving capacity.		
	Know gallons, quarts, pints, and cups.	✓ I know gallons, quarts, pints, and cups.		
	Convert between different gallons, quarts, pints, and cups.	✓ I can convert between different gallons, quarts, pints, and cups.		
	Add capacity in compound units.	✓ I can add capacity in compound units.		
7	Unit 7: Graphs (Unit System and Measurement)			
	Standard: Demonstrate understanding of units, systems, processes of measurement, and measurable attributes of objects.			
	Relate bar graphs to picture graphs.	✓ I can relate bar graphs to picture graphs.		
	Read and interpret simple bar graphs.	✓ I can read and interpret simple bar graphs.		
	Create simple bar graphs from data.	✓ I can create simple bar graphs from data.		
End of 3rd Quarter				

4th Quarter

Grade 3 Singapore Math

Week	Unit 8: Fraction (Number Sense, Properties, and Operations)			
	Standard 1: Demonstrate understanding of numbers, ways of representing numbers, relationships among numbers, and numbers system.			
1	Objectives	Students' Performance Indicators	SA	TA
	Recognize and name fraction of a whole.	✓ I can recognize and name fraction of a whole.		
	Make a whole with a fraction.	✓ I can make a whole with a fraction.		
	Compare and order fractions with a common denominator.	✓ I can compare and order fractions with a common denominator.		
	Recognize and name equivalent fractions.	✓ I can recognize and name equivalent fractions.		
	Find equivalent fractions using division.	✓ I can find equivalent fractions using division.		
	Find the simplest form of a fraction.	✓ I can find the simplest form of a fraction.		
	Compare and order simple fractions.	✓ I can compare and order simple fractions.		
2	Unit 9: Time (Unit System and Measurement)			
	Standard 4: Demonstrate understanding of units, systems, processes of measurement, and measurable attributes of objects.			
	Read and write time to 1 minute.	✓ I can read and write time to 1 minute.		
	Solve word problems involving time interval.	✓ I can solve word problems involving time interval.		
	Measure time in seconds.	✓ I can measure time in seconds.		
	Convert between different units of times.	✓ I can convert between different units of times.		
3	Unit 10: Angles and Right Angles (Spatial Sense and Geometry)			
	Standard 7: Demonstrate understanding in analyzing geometric situations, characteristics and properties of geometric shapes and space, and develop Mathematical arguments about geometric relationships.			
	Identify angles.	✓ I can identify angles.		
	Relate the size of the angle to the degree of turning.	✓ I can relate the size of the angle to the degree of turning.		
	Count the angles in polygonal shapes.	✓ I can count the angles in polygonal shapes.		
	Identify right angles.	✓ I can identify right angles.		
4	Unit 11: Area and Perimeter (Unit System and Measurement)			
	Standard 4: Demonstrate understanding of units, systems, processes of measurement, and measurable attributes of objects.			
	Find the area of figures in square units.	✓ I can find the area of figures in square units.		
	Understand that figures with different shapes can have the same area.	✓ I can understand that figures with different shapes can have the same area.		
	Compare the area of figures in square inches.	✓ I can compare the area of figures in square inches.		
	Find the area of figures in square centimeters.	✓ I can find the area of figures in square centimeters.		
	Measure area in square feet, yards, and meters.	✓ I can measure area in square feet, yards, and meters.		
	Compare relative areas in square centimeters, meters, inches, feet, and yards.	✓ I can compare relative areas in square centimeters, meters, inches, feet, and yards.		

5	Unit 11: Area and Perimeter (Unit System and Measurement)			
	Standard 4: Demonstrate understanding of units, systems, processes of measurement, and measurable attributes of objects.			
	Measure the perimeter of a figure.	✓ I can measure the perimeter of a figure.		
	Compare the area and perimeter of a figure given the lengths of the sides.	✓ I can compare the area and perimeter of a figure given the lengths of the sides.		
	Find the area	✓ I can find the area		
	Unit 8: Fraction (Unit System and Measurement)	✓		

End of 4th Quarter