

ST. JOHN THE BAPTIST CATHOLIC SCHOOL

School-Wide Mathematics Curriculum – Grade 5

Trimester	Content	Essential State Standard	Strands	Strategies	Assessments
1	Number Sense	1.0 Students compute with very large numbers and very small numbers.	1.1 Estimate, round very large and very small numbers. 1.5 Identify and represent on a number line decimals and positive and negative integers	Place-value grid Number line Board math Problem of Day	Daily board math Quick checks Quick Quizzes Chapter tests
1	Number Sense	2.0 Students perform calculations and solve problems involving +, -, x, and ÷ of fractions and decimals.	2.2 Demonstrate proficiency with division with positive decimals and long division with multi-digit divisors	Division mnemonic	Daily board math Quick checks Quick Quizzes Chapter tests
1	Number Sense	2.0 Students perform calculations and solve problems involving +, -, x, and ÷ of fractions and decimals.	2.2 Demonstrate proficiency with division with positive decimals and long division with multi-digit divisors	Measuring length using customary and metric units Measuring liquids and mass using metric system Making vocabulary flash cards Measurement flashcards or number line	Daily board math Quick checks Quick Quizzes Chapter tests

2	Measurement and Geometry	1.0 Students understand and compute the volumes and areas of simple objects.	1.4 Differentiate between, and use appropriate units of measure for two- and three-dimensional objects.	Review use of formulas for area and perimeter of rectangles.	Daily board math Quick checks Quick Quizzes Chapter tests
2	Measurement and Geometry	2.0 Students identify, describe, and classify the properties of and the relationships between, plane and solid figures.	2.1 Measure, identify, and draw angles, perpendicular, and parallel lines, triangles, and rectangles using appropriate tools. 2.2 Know that the sum of the angles of a triangle is 180° and the sum of the angles of any quadrilateral is 360°	Flashcards Use of protractors, rulers, and compasses.	Daily board math Quick checks Quick Quizzes Chapter tests
2	Measurement and Geometry	1.0 Students understand and compute the volume and areas of simple objects.	1.1 Derive and use the area of a triangle and of a parallelogram by comparing it with the area of a rectangle. 1.2 Construct a cube and rectangular box from two-dimensional patterns and use these patterns to compute the surface area of these objects.	Use a small cereal box to create a net and calculate surface area Use models to calculate area of a triangle and parallelogram.	Daily board math Quick checks Quick Quizzes Chapter tests

2	Number Sense	1.0 Students compute very large and very small numbers, positive integers, decimals, and fractions and understand the relationship between decimals, fractions, and percents.	1.4 Determine the prime factors of all numbers through 50 and write numbers as a product of their prime factors using exponents.	Use factor tree to find prime factors. Use multiplication table to find GCF and LCM.	Daily board math Quick checks Quick Quizzes Chapter tests
3	Number Sense	2.0 Students perform calculations and solve problems involving addition, subtractions, and simple multiplication and division of fractions and decimals.	2.3 Solve simple problems, including ones arising in concrete situations, involving the addition and subtraction of fractions and mixed numbers (like and unlike denominators of 20 or less) and express in simplest form. 2.4 Understand multiplication and division of fractions. 2.5 Compute and perform simple multiplication and division of fractions and apply procedures to solving problems.	Use number line, pie graphs, and fraction wall to demonstrate meaning of fractions and equivalency. Create foldables for fraction and decimal concepts.	Daily board math Quick checks Quick Quizzes Chapter tests
3	Number Sense	2.0 Students perform calculations and solve problems involving addition, subtractions, and simple multiplication and division of fractions and decimals.	2.1 Add, subtract, multiply, and divide with decimals.	Use place value holder and number dice to help in understanding magnitude of decimals. Build on understanding of addition and subtraction algorithm for whole numbers to add and subtract decimals.	Daily board math Quick checks Quick Quizzes Chapter tests