Math Grade 3 Unit 5
Curriculum Unit Planning Template
Canterbury Public Schools

Subject	Math
Grade Level	3
Unit Title	Fractions As Numbers
Unit Goals	Students develop an understanding of fractions as numbers and of fraction equivalence, by representing fractions on diagrams and number lines, generating equivalent fractions and comparing fractions Section A Introduction to Fractions Understand that fractions are built from unit unit fractions such that a fraction a/b is the quantity formed by" a "parts of size 1/b Understand that unit fractions are formed by partitioning shapes into equal parts Section B Fractions on a number line Understand a fraction as a number and represent fraction on the numberline Section C Equivalent fractions Explain equivalence of fractions in special cases and express whole numbers as fractions and fractions as whole numbers Section D Fraction Comparisons Compare two fractions with the same numerator or denominator, record results <,> ,= and justify the conclusion
Pacing (# of weeks)	3 weeks
Standards	3.G.A.2, 3.NF.A.1, 3.OA.C.7 3.NF.a.2, 3.NF.A.2a, 3.NF.A.3.cm 3.NF.A.2b, 3.OA.C.7
Content/Conceptual Knowledge (know)	As the numerator gets larger, more parts are being counted, as the denominator gets larger, the size of the piece gets smaller
Skills (be able to do)	Use diagrams to represent and reason about fractions, compare their size, and relate them to whole numbers- denominations of 2,3,4 6,8 Create fraction strips by folding strips of paper into equal parts and later represent the strips as tape diagrams Use fraction strips and tape diagrams to represent fractions Compare fractions Partition rectangles into 6 or 8 equal parts and describe each part as sixth or eighth and write the notation ⅙ ,⅛ Represent numbers on a number line/ locate whole numbers on a number line

Essential Questions	How can fractions be organized and be compared? Does the denominator help in determining size? What makes for equivalence?
Enduring Understandings	Fractions represent the number of pieces a shape has been equally divided into. Fractions are equal sized pieces of a whole shape Equivalent fractions are fractions of the same size
Vocabulary	Numerator, denominator , fraction, unit fractions, partition, fraction strips, interval, ticks , decompose
Common Learning Experiences	Lesson 3, Activity 1 Write and Read Fractions Lesson 7 Activity 2 Fractions on the Number Line Lesson 12, Activity 2 Locate and Pair Lesson 17 Activity 1 Comparison
Assessments	Unit tests, check points, daily cool downs
Resources	Paper strips, shaded diagrams, number line
Strategies	Use paper strips to visualize fractions , use number lines to identify intervals between (dots) ticks