

## Unit 4: Reasoning with Fractions (7 Weeks)

Priority Standards: 3.NF.A.1, 3.NF.A.2 & 3.NF.A.3

Supporting Standards: 3.MD.A.1

### Pre-Assessment

#### RWE Introduction (1 Day)

#### Telling Time (Ongoing)

I can tell time to the nearest minute.

I can write time to the nearest minute.

I can use fractional wording in telling time. (e.g. half past 3 or quarter to 5)

I can solve problems concerning elapsed time.

#### Topic 1: Getting to know fractions & Expressing 1 as a Fraction (5 Days)

I can use a ruler marked with halves and fourths to draw and measure lengths.

I can express a fraction as  $\frac{a}{a}$  equals one whole.

I can express 1 by creating a different fraction models. (bars, circles, line diagrams, sets etc.)

I can use a number line to generate a fraction for whole numbers.

I can represent a fraction using a set.

#### Topic 2: Place Fractions on a Number Line (6 Days)

I can divide (partition) a number line into equal parts.

I can identify a given fraction on a number line.

I can represent and recognize a given fraction on a number line.

I can identify which fraction is closer to one on a number line.

I can locate fractions larger than one on a number line.

I can locate fractions less than one on a number line

I can recognize that a fraction  $\frac{a}{b}$  represents its location on a number line.

#### Topic 3: Equivalent Fractions (6 Days)

I can identify equivalent fractions using fraction models

I can identify equivalent fractions using a number line.

I can use a number line to generate equivalent fractions.

I can generate equivalent fractions using fraction models and number lines

I can show in words or pictures how two fractions can be equal.

I can compare fractions by reasoning about their size.

I can express whole numbers as fractions and recognize fractions that are equivalent to whole numbers.

$$\left(\frac{3}{1}=3\right)$$

#### Topic 4: Comparing Fractions (6 Days)

I can identify a unit fraction.

I can understand that a unit fraction with a larger denominator represents a smaller number.

I can understand that a unit fraction with a smaller denominator represents a larger number.

I can compare fractions with like denominators using pictures, number lines, words, and symbols.

I can compare fractions with like numerators using pictures, number line, words and symbols.

I can compare fractions by representing both on a number line.

#### Real World Experience (5 Days)

#### Post Assessment and Buffer Week (5 Days)