

# Fractions

## Students will be able to:

(3a) Represent fractions as a sum of fractions. Students will decompose fractions so that the sum is correct:  $\frac{7}{8} = \frac{2}{8} + \frac{3}{8} + \frac{2}{8}$  or  $\frac{3}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

(3b) Students will decompose fractions in a variety of ways including concrete and pictorial, recording results with symbolic representation.

(3c) Determine if 2 fractions are equivalent using a variety of methods.

(3D) Compare two fractions with different numerators and different denominators and represent the comparison using the symbols  $>$ ,  $=$ , or  $<$ ;

(3E) Represent and solve addition and subtraction of fractions with equal denominators using objects and pictorial models that build to the number line and properties of operations

(F) Evaluate the reasonableness of sums and differences of fractions using benchmark fractions 0,  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , and 1, referring to the same whole

(G) Represent fractions and decimals to the tenths or hundredths as distances from zero on a number line