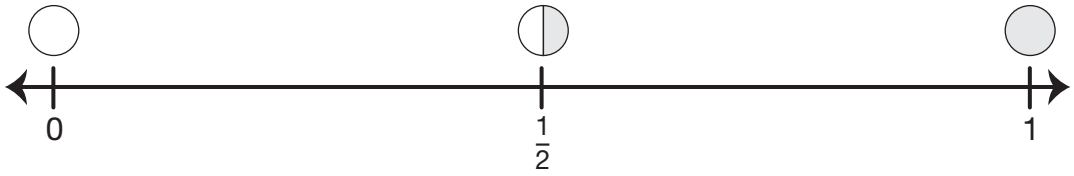
Name _____ Date _____

Use Equivalent Fractions to Add and Subtract

For each problem, use the benchmark fractions on this number line to estimate each sum or difference.



Find each fraction sum or difference using the following steps:

1. Write several equivalent fractions for each fraction in the problem in the two columns under Equivalent Fractions.
2. Find two fractions with a common denominator—one from each of the Equivalent Fractions columns. Use the *Fractions on Number Lines Chart*, *Fraction Chart*, and *Finding Equivalent Fractions and Ratios Menu* in the *Student Guide* Reference section.
3. Draw a circle around the two fractions.
4. Write a number sentence to show the sum or difference.
5. Make a drawing with circle pieces of a single color to show your reasoning.
6. Compare your answer to your estimate on the number line to see if it is reasonable.

Sum or Difference	Equivalent Fractions		Number Sentence and Circle Pieces
Example: $\frac{2}{4} - \frac{3}{8}$	$\frac{2}{4}$ $\frac{1}{2}$ $\frac{3}{6}$ $\frac{4}{8}$	$\frac{3}{8}$ $\frac{6}{16}$ $\frac{3 \times 3}{8 \times 3} = \frac{9}{24}$ $\frac{3 \times 4}{8 \times 4} = \frac{12}{32}$	$\frac{4}{8} - \frac{3}{8} = \frac{1}{8}$