NAME _____

# Lesson 5.1 Adding & Subtracting With Like Denominators

Denominators are called **common** when they share the same number.

To add fractions with like denominators, add the numerators and use the common denominator.

$$\frac{1}{5} + \frac{2}{5} = \frac{1+2}{5} = \frac{3}{5}$$

To subtract fractions with like denominators, subtract the numerators and use the common denominator.

$$\frac{7}{10} - \frac{3}{10} = \frac{7-3}{10} = \frac{4}{10} = \frac{2}{5}$$

## Add or subtract. Write answers in simplest form.

| | a | b | c | d |
|---|---|---|---|---|
| 1. | $\frac{2}{5} + \frac{1}{5}$ | $\frac{5}{7} - \frac{3}{7}$ | $\frac{3}{4} - \frac{1}{4}$ | $\frac{5}{8} + \frac{1}{8}$ |
| 2. | $\frac{7}{8} - \frac{3}{8}$ | $\frac{1}{5} + \frac{3}{5}$ | $\frac{3}{8} + \frac{1}{8}$ | $\frac{4}{5} - \frac{2}{5}$ |
| 3. | $\frac{7}{9} - \frac{1}{9}$ | $\frac{2}{9} + \frac{5}{9}$ | $\frac{5}{7} + \frac{1}{7}$ | $\frac{5}{6} - \frac{1}{6}$ |
| 4. | $\frac{1}{10} + \frac{3}{10}$ | $\frac{6}{9} - \frac{5}{9}$ | $\frac{6}{7} - \frac{1}{7}$ | $\frac{5}{9} + \frac{1}{9}$ |