Name/Nombre: _____ Date/Fecha: _____

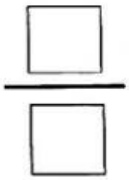
FCTG

Subtracting fractions

* Rule 1: When **subtracting** two fractions with Same denominator, then

  - ❖ Step 1: Subtract _____.
  - ❖ Step 2: Keep the _____.
  - ❖ Step 3: _____ the answer in simplest form if possible.

Example: Solve $\frac{3}{5} - \frac{1}{5}$.

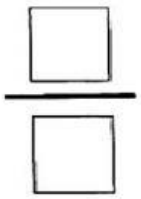


* Rule 2: When **subtracting** two fractions ($\frac{N1}{D1}$ *and* $\frac{N2}{D2}$) with different denominators, then

  - ❖ Step 1: **Multiply** $D2$ to both $N1$ *and* $D1$ to get

    Multiply $D1$ to both $N2$ *and* $D2$ to get
  - ❖ Step 2: Subtract the _____ numerators and KEEP the _____.
  - ❖ Step 3: _____ the answer in simplest form if possible.

Example: Solve $\frac{3}{4} - \frac{5}{14}$.



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DO NOW!

1. **Same denominator.** Solve each problem. Write the answer in mixed numbers and in simplest form (if possible).

(1) $\frac{6}{10} - \frac{3}{10}$ $\frac{\square}{\square}$ (2) $\frac{8}{12} - \frac{1}{12}$ $\frac{\square}{\square}$ (3) $\frac{3}{4} - \frac{2}{4}$ $\frac{\square}{\square}$

(4) $\frac{2}{6} - \frac{1}{6}$ $\frac{\square}{\square}$ (5) $\frac{8}{9} - \frac{2}{9}$ $\frac{\square}{\square}$ (6) $\frac{1}{2} - \frac{1}{2}$ $\frac{\square}{\square}$

(7) $\frac{3}{6} - \frac{5}{6}$ $\frac{\square}{\square}$ (8) $\frac{13}{7} - \frac{9}{7}$ $\frac{\square}{\square}$ (9) $3\frac{3}{5} - 1\frac{2}{5}$ $\frac{\square}{\square}$

2. **Different denominators.** Solve each problem. Write the answer in mixed numbers and in simplest form (if possible).

(1) $\frac{2}{5} - \frac{1}{3}$ $\frac{\square}{\square}$ (2) $\frac{4}{5} - \frac{1}{2}$ $\frac{\square}{\square}$ (3) $\frac{10}{12} - \frac{2}{3}$ $\frac{\square}{\square}$

(4) $\frac{1}{2} - \frac{1}{5}$ $\frac{\square}{\square}$ (5) $\frac{8}{10} - \frac{2}{4}$ $\frac{\square}{\square}$ (6) $\frac{4}{6} - \frac{1}{12}$ $\frac{\square}{\square}$

(7) $\frac{5}{15} - \frac{5}{12}$ $\frac{\square}{\square}$ (8) $\frac{16}{7} - \frac{13}{3}$ $\frac{\square}{\square}\square\frac{\square}{\square}$ 9) $2\frac{4}{6} - 2\frac{3}{8}$ $\frac{\square}{\square}\square\frac{\square}{\square}$