

Name/Nombre: _____ Date/Fecha: _____

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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 ($\frac{N_1}{D_1}$ and $\frac{N_2}{D_2}$) with different denominators, then

❖ Step 1: Multiply D_2 to both N_1 and D_1 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).

$$(1) \frac{6}{10} - \frac{3}{10} = \frac{\boxed{}}{\boxed{}}$$

$$(2) \frac{8}{12} - \frac{1}{12} = \frac{\boxed{}}{\boxed{}}$$

$$(3) \frac{3}{4} - \frac{2}{4} = \frac{\boxed{}}{\boxed{}}$$

$$(4) \frac{2}{6} - \frac{1}{6} = \frac{\boxed{}}{\boxed{}}$$

$$(5) \frac{8}{9} - \frac{2}{9} = \frac{\boxed{}}{\boxed{}}$$

$$(6) \frac{1}{2} - \frac{1}{2} = \frac{\boxed{}}{\boxed{}}$$

$$(7) \frac{3}{6} - \frac{5}{6} = \frac{\boxed{}}{\boxed{}}$$

$$(8) \frac{13}{7} - \frac{9}{7} = \frac{\boxed{}}{\boxed{}}$$

$$(9) 3\frac{3}{5} - 1\frac{2}{5} = \frac{\boxed{}}{\boxed{}}$$

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

$$(1) \frac{2}{5} - \frac{1}{3} = \frac{\boxed{}}{\boxed{}}$$

$$(2) \frac{4}{5} - \frac{1}{2} = \frac{\boxed{}}{\boxed{}}$$

$$(3) \frac{10}{12} - \frac{2}{3} = \frac{\boxed{}}{\boxed{}}$$

$$(4) \frac{1}{2} - \frac{1}{5} = \frac{\boxed{}}{\boxed{}}$$

$$(5) \frac{8}{10} - \frac{2}{4} = \frac{\boxed{}}{\boxed{}}$$

$$(6) \frac{4}{6} - \frac{1}{12} = \frac{\boxed{}}{\boxed{}}$$

$$(7) \frac{5}{15} - \frac{5}{12} = \frac{\boxed{}}{\boxed{}}$$

$$(8) \frac{16}{7} - \frac{13}{3} = \frac{\boxed{}}{\boxed{}} \frac{\boxed{}}{\boxed{}} \quad (9) 2\frac{4}{6} - 2\frac{3}{8} = \frac{\boxed{}}{\boxed{}} \frac{\boxed{}}{\boxed{}}$$