Name: __Loz__   Date: __10-16-20__

Subtract. Express each difference in simplest form.

Example

$$\frac{1}{3} - \frac{1}{9} = \frac{3}{9} - \boxed{\frac{1}{9}}$$

$$= \boxed{\frac{2}{9}}$$

4. $\frac{1}{2} - \frac{1}{8} = \frac{4}{8} - \boxed{\frac{+}{8}}$

$$= \boxed{\frac{3}{8}}$$

5. $\frac{1}{5} - \frac{1}{10}$ $\frac{1}{5} = \frac{2}{10}$ $\frac{1}{10}$

$$\frac{-\frac{1}{10}}{\frac{1}{10}} \quad \frac{1}{10}$$

6. ✓ $\frac{5}{6} - \frac{2}{3} = \frac{1}{6}$ $\frac{5}{6} = \frac{5}{6}$

$$\frac{2}{3} = \frac{4}{6} \qquad \frac{2}{3} = \frac{4}{6}$$

$$\boxed{\frac{1}{6}}$$

7. $\frac{7}{8} - \frac{1}{4} = \frac{5}{5}$

$$\frac{7}{8} = \frac{7}{8}$$

$$-\frac{1}{4} \cdot \frac{2}{8}$$

$$\frac{1}{8}$$

8. ✓ $\frac{3}{4} - \frac{5}{12} = \frac{4}{12}$ $\frac{9}{12}$

$$\frac{3}{4} = \frac{6}{8} = \frac{9}{12}$$

$$\frac{3}{4} = \frac{9}{12}$$

$$\frac{5}{12} = \frac{5}{12}$$

$$\frac{4}{12} = \frac{1}{3}$$

Subtract.

┌─ Example ─────────────────────┐

$\dfrac{1}{2} - \dfrac{1}{5} = \dfrac{5}{10} - \boxed{\dfrac{2}{10}}$

$= \boxed{\dfrac{3}{10}}$

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12. $\dfrac{1}{3} - \dfrac{1}{5} = \dfrac{5}{15} - \boxed{\dfrac{3}{15}}$

$= \boxed{\dfrac{2}{15}}$

13. $\overset{\frac{6}{30}}{} \; \overset{\frac{5}{30}}{}$ $\dfrac{1}{5} - \dfrac{1}{6} = \dfrac{1}{30}$

$\dfrac{1}{5} \times 6 = \dfrac{6}{30}$

$\dfrac{1}{6} \times 5 = \dfrac{5}{30}$

14. $\overset{\frac{8}{56}}{} \; \overset{\frac{7}{56}}{}$ $\dfrac{1}{7} - \dfrac{1}{8} = \dfrac{1}{56}$

$\dfrac{1}{7} \times 8 = \dfrac{8}{56}$

$\dfrac{1}{8} \times 7 = \dfrac{7}{56}$

15. $\overset{15}{} \; \overset{5}{}$ $\dfrac{4}{5} - \dfrac{1}{4} = \dfrac{11}{20}$

$\dfrac{4}{5} \times 4 = \dfrac{16}{20}$

$\dfrac{1}{4} \times 5 = \dfrac{5}{20}$

16. $\overset{\frac{25}{40}}{} \; \overset{\frac{24}{40}}{} = \dfrac{1}{40}$ $\dfrac{5}{8} - \dfrac{3}{5} = \dfrac{1}{40}$

$\dfrac{5}{8} \times 5 = \dfrac{25}{40}$

$\dfrac{3}{5} \times 8 = \dfrac{24}{40}$