

Name _____

Date _____

1. Subtract.

a. $5\frac{1}{4} - \frac{3}{4} = 4\frac{5}{4} - \frac{3}{4} = 4\frac{2}{4}$

$\begin{array}{c} \diagup \quad \diagdown \\ 4 \qquad \qquad 5 \\ \qquad \qquad \frac{1}{4} \end{array}$

b. $6\frac{3}{8} - \frac{6}{8} = 5\frac{11}{8} - \frac{6}{8} = 5\frac{5}{8}$

$\begin{array}{c} \diagup \\ 5 \quad \frac{11}{8} \end{array}$

c. $7\frac{4}{6} - \frac{5}{6} = 6\frac{10}{6} - \frac{5}{6} = 6\frac{5}{6}$

$\begin{array}{c} \diagup \\ 6 \quad \frac{10}{6} \end{array}$

2. Subtract the ones first.

a. $4\frac{1}{5} - 1\frac{3}{5} = 3\frac{1}{5} - \frac{3}{5} = 2\frac{3}{5}$

$\begin{array}{c} \diagup \quad \diagdown \\ 2 \qquad \qquad 6 \\ \qquad \qquad \frac{1}{5} \end{array}$

b. $4\frac{3}{6} - 2\frac{5}{6} = 2\frac{3}{6} - \frac{5}{6} = 1\frac{9}{6} - \frac{5}{6} = 1\frac{4}{6}$

$\begin{array}{c} \diagup \\ 1 \quad \frac{9}{6} \end{array}$

$$\text{c. } 8\frac{3}{8} - 2\frac{5}{8} = \underset{\substack{\nearrow \\ 5\frac{11}{8}}}{6\frac{3}{8}} - \frac{5}{8} = 5\frac{11}{8} - \frac{5}{8} = 5\frac{6}{8}$$

$$\text{d. } 13\frac{3}{10} - 8\frac{7}{10} = \underset{\substack{\nearrow \\ 4\frac{13}{10}}}{5\frac{3}{10}} - \frac{7}{10} = 4\frac{13}{10} - \frac{7}{10} = 4\frac{6}{10}$$

3. Solve using any strategy.

$$\text{a. } 7\frac{3}{12} - 4\frac{9}{12} = \underset{\substack{\nearrow \\ 2\frac{15}{12}}}{3\frac{3}{12}} - \frac{9}{12} = 2\frac{15}{12} - \frac{9}{12} = 2\frac{6}{12}$$

$$\text{b. } 9\frac{6}{10} - 5\frac{8}{10} = \underset{\substack{\nearrow \\ 3\frac{16}{10}}}{4\frac{6}{10}} - \frac{8}{10} = 3\frac{16}{10} - \frac{8}{10} = 3\frac{8}{10}$$

$$\text{c. } 17\frac{2}{16} - 9\frac{7}{16} = \underset{\substack{\nearrow \\ 7\frac{18}{16}}}{8\frac{2}{16}} - \frac{7}{16} = 7\frac{18}{16} - \frac{7}{16} = 7\frac{11}{16}$$

$$\text{d. } 12\frac{5}{100} - 8\frac{94}{100} = \underset{\substack{\nearrow \\ 3\frac{5}{100}}}{4\frac{5}{100}} - \frac{94}{100} = 3\frac{5}{100} + \frac{6}{100} = 3\frac{11}{100}$$