

Section 7.4 Extra Practice

Example: $4\frac{1}{3} - 2\frac{5}{9}$

You can use one of two methods.

Regroup.

$$\begin{aligned} 4\frac{1}{3} - 2\frac{5}{9} &= 4\frac{3}{9} - 2\frac{5}{9} \\ &= 3\frac{12}{9} - 2\frac{5}{9} \\ &= 1\frac{7}{9} \end{aligned}$$

Change to improper fractions.

$$\begin{aligned} 4\frac{1}{3} - 2\frac{5}{9} &= 4\frac{3}{9} - 2\frac{5}{9} \\ &= \frac{39}{9} - \frac{23}{9} \\ &= \frac{16}{9} \\ &= 1\frac{7}{9} \end{aligned}$$

1. Copy each statement into your notebook. Fill in each blank to make the statement true.

a) $1 = \frac{\square}{2}$

b) $1 = \frac{\square}{4}$

c) $1 = \frac{\square}{7}$

d) $1 = \frac{\square}{100}$

2. Subtract. Write each answer in lowest terms.

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

b) $9\frac{11}{12} - 3\frac{5}{12}$

c) $7\frac{5}{8} - 5\frac{3}{8}$

3. Estimate each answer. Then, subtract. Write each answer in lowest terms.

a) $4\frac{3}{4} - 2\frac{1}{8}$

b) $6\frac{1}{4} - 3\frac{1}{6}$

c) $5\frac{2}{3} - 1\frac{1}{2}$

4. Regroup and subtract. Write each answer in lowest terms.

a) $2\frac{1}{4} - \frac{2}{4}$

b) $1\frac{3}{4} - \frac{5}{6}$

c) $6\frac{1}{6} - 2\frac{5}{6}$

5. Change to improper fractions and subtract. Write each answer in lowest terms.

a) $4\frac{1}{8} - 1\frac{1}{4}$

b) $5\frac{1}{3} - 2\frac{2}{3}$

c) $2\frac{2}{3} - 1\frac{4}{5}$