Name: _____

Subtracting Mixed Numbers

with Like Denominators, Requires Simplifying and Regrouping

$$4 \frac{1}{6}$$
$$- 2 \frac{5}{6}$$

$$4 \frac{1}{6}$$
$$- 2 \frac{5}{6} \quad \text{same}$$
$$\overline{} \frac{}{6}$$

$$3 \, \cancel{4} \, \frac{1}{6} + \frac{6}{6} = \frac{7}{6}$$
$$- 2 \frac{5}{6}$$

$$3 \frac{7}{6}$$
$$- 2 \frac{5}{6}$$
$$1 \frac{2}{6}$$

$$3 \frac{7}{6}$$
$$- 2 \frac{5}{6}$$
$$1 \frac{2}{6} = 1 \frac{1}{3}$$

Subtract the fractions and simplify the answers.

a.
$$3 \frac{1}{4}$$
$$- 1 \frac{3}{4}$$

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

c.
$$6 \frac{3}{8}$$
$$- 2 \frac{7}{8}$$

g.
$$9 \frac{3}{7}$$
$$- 3 \frac{4}{7}$$

h.
$$5 \frac{1}{8}$$
$$- 2 \frac{5}{8}$$

i.
$$6 \frac{2}{9}$$
$$- 1 \frac{5}{9}$$

j. Ayo long jumped a distance of $11\frac{1}{6}$ feet on her first attempt.

She jumped $9\frac{5}{6}$ feet on her second attempt.

How much farther did she travel with her first attempt?

$$11 \frac{1}{6}$$
$$- 9 \frac{5}{6}$$

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Subtracting Mixed Numbers
with Like Denominators, Requires Simplifying and Regrouping

$$4 \frac{1}{6}$$
$$- 2 \frac{5}{6}$$

$$4 \frac{1}{6}$$
$$- 2 \frac{5}{6} \quad \text{same}$$
$$\overline{\quad} \frac{\ }{6}$$

$$3 \; \cancel{4} \frac{1}{6} + \frac{6}{6} = \frac{7}{6}$$
$$- 2 \frac{5}{6}$$

$$3 \frac{7}{6}$$
$$- 2 \frac{5}{6}$$
$$1 \frac{2}{6}$$

$$3 \frac{7}{6}$$
$$- 2 \frac{5}{6}$$
$$1 \frac{2}{6} = 1 \frac{1}{3}$$

Subtract the fractions and simplify the answers.

a. $\overset{2}{\cancel{3}} \overset{5}{\frac{\cancel{1}}{4}}$

b. $1 \overset{7}{\cancel{2}} \frac{\cancel{2}}{5}$

c. $\overset{5}{\cancel{6}} \overset{11}{\frac{\cancel{3}}{8}}$

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