Name: _____

Subtracting Mixed Numbers
with Like Denominators, Requires Simplifying and Regrouping

Subtract the fractions and simplify the answers.

a. $\quad 9\frac{1}{3}$
$\quad -\ 2\frac{2}{3}$
_____

b. $\quad 5\frac{2}{9}$
$\quad -\ 3\frac{4}{9}$
_____

c. $\quad 7\frac{2}{5}$
$\quad -\ 4\frac{4}{5}$
_____

d. $\quad 3\frac{1}{6}$
$\quad -\ 1\frac{5}{6}$
_____

e. $\quad 6\frac{1}{4}$
$\quad -\ 2\frac{3}{4}$
_____

f. $\quad 8\frac{3}{7}$
$\quad -\ 3\frac{5}{7}$
_____

j. Jax found a worm that measured $5\frac{1}{8}$ inches.

He dug up another worm that measured $3\frac{5}{8}$ inches.

How much longer was the first worm?

$\quad 5\frac{1}{8}$
$\quad -\ 3\frac{5}{8}$
_____

k. Mae threw a rock a distance of $8\frac{3}{5}$ yards.

She threw the rock a second time a distance of $6\frac{4}{5}$ yards.

How much farther did she throw the rock on her first attempt?

$\quad 8\frac{3}{5}$
$\quad -\ 6\frac{4}{5}$
_____

422956

Subtracting Mixed Numbers
with Like Denominators, Requires Simplifying and Regrouping

Subtract the fractions and simplify the answers.

a.
$$\overset{8}{\cancel{9}} \ \overset{4}{\cancel{\frac{1}{3}}}$$
$$- \ 2 \ \frac{2}{3}$$
$$6 \ \frac{2}{3}$$

b.
$$\overset{4}{\cancel{5}} \ \overset{11}{\cancel{\frac{2}{9}}}$$
$$- \ 3 \ \frac{4}{9}$$
$$1 \ \frac{7}{9}$$

c.
$$\overset{6}{\cancel{7}} \ \overset{7}{\cancel{\frac{2}{5}}}$$
$$- \ 4 \ \frac{4}{5}$$
$$2 \ \frac{3}{5}$$

d.
$$\overset{2}{\cancel{}} \ \overset{7}{\cancel{}}$$

e.
$$\overset{5}{\cancel{}} \ \overset{5}{\cancel{}}$$

f.
$$\overset{7}{\cancel{}} \ \overset{10}{\cancel{}}$$