Name: _____

Subtracting Mixed Numbers

with Like Denominators, Requires Simplifying and Regrouping

Subtract the fractions and simplify the answers.

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

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

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

d. $3\frac{1}{6} - 1\frac{5}{8}$

e. $6\frac{1}{4} - 2\frac{3}{7}$

f. $8\frac{3}{7} - 3\frac{5}{9}$

Preview
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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?

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

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?

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

ANSWER KEY

Subtracting Mixed Numbers

with Like Denominators, Requires Simplifying and Regrouping

Subtract the fractions and simplify the answers.

a. $8\frac{4}{3} = 8\frac{1}{3}$ − $2\frac{2}{3}$ = $6\frac{2}{3}$

b. $4\frac{11}{9} = 5\frac{2}{9}$ − $3\frac{4}{9}$ = $1\frac{7}{9}$

c. $6\frac{7}{5} = 7\frac{2}{5}$ − $4\frac{4}{5}$ = $2\frac{3}{5}$

d. $2\frac{7}{6} = 3\frac{1}{6}$ − $1\frac{7}{8}$ = $4\frac{4}{8} = 4\frac{1}{2}$

e. $5\frac{5}{4} = 6\frac{1}{4}$ − $1\frac{6}{7}$ = $5\frac{7}{7}$

f. $7\frac{10}{7} = 8\frac{3}{7}$ − $3\frac{7}{9}$ = $4\frac{12}{9} = 4\frac{4}{3} = 5\frac{1}{3}$

Super Teacher Worksheets

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j. Jax found a worm that [illegible]

He dug up another worm that [illegible]

How much longer was the first worm?

$5\frac{9}{8} = 5\frac{1}{8}$ − $3\frac{5}{8}$ = $1\frac{4}{8} = 1\frac{1}{2}$ inches

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?

$7\frac{8}{5} = 8\frac{3}{5}$ − $6\frac{4}{5}$ = $1\frac{4}{5}$ yards