Name _____ Date _____

Homework 10.5

Subtract With Like Denominators

Find $7 - 3\frac{4}{5}$.

Step 1: Rename the whole number.

$$7 = 6\frac{5}{5}$$
$$-3\frac{4}{5} = -3\frac{4}{5}$$

Step 2: Subtract the fractions.

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

Step 3: Subtract the whole numbers. Simplify.

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

Subtract. Write each difference in simplest form.

1. $8\frac{1}{16} - 3\frac{7}{16}$ _____

2. $9 - 3\frac{1}{4}$ _____

3. $7\frac{3}{5} - 2\frac{4}{5}$ _____

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

5. $8\frac{3}{7} - 6\frac{3}{7}$ _____

6. $5 - 4\frac{1}{9}$ _____

7. $\frac{9}{10} - \frac{4}{10}$

8. $\frac{7}{8} - \frac{3}{8}$

9. $8\frac{4}{5} - 2\frac{1}{5}$

10. $10 - 4\frac{2}{3}$

11. $3\frac{1}{2} - 1\frac{1}{2}$

12. $7\frac{5}{9} - 5\frac{2}{9}$

Problem Solving

Show Your Work

13. Russell has 5 m of wire. He used $3\frac{3}{4}$ m for a project. How much wire is left?

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