Name _____ Date _____

Homework 10.2

Add With Like Denominators

Add $3\frac{6}{7} + 1\frac{5}{7}$.

Step 1: Add the fractions.

$$\begin{array}{r} 3\frac{6}{7} \\ +\ 1\frac{5}{7} \\ \hline \frac{11}{7} \end{array}$$

Step 2: Add the whole numbers.

$$\begin{array}{r} 3\frac{6}{7} \\ +\ 1\frac{5}{7} \\ \hline 4\frac{11}{7} \end{array}$$

Step 3: Simplify.

$$\begin{array}{r} 3\frac{6}{7} \\ +\ 1\frac{5}{7} \\ \hline 4\frac{11}{7} = 5\frac{4}{7} \end{array}$$

Add. Write each sum in the simplest form.

1. $4\frac{3}{9} + 1\frac{5}{9}$ _____

2. $5\frac{2}{8} + 2\frac{7}{8}$ _____

3. $\frac{5}{12} + \frac{11}{12}$ _____

4. $\frac{2}{3} + 1\frac{1}{3}$ _____

5. $\frac{8}{11} + \frac{7}{11}$ _____

6. $6\frac{1}{5} + 3\frac{4}{5}$ _____

7. $3\frac{7}{10} + 4\frac{9}{10}$

8. $\frac{7}{9} + \frac{7}{9}$

9. $5\frac{2}{3} + 4\frac{2}{3}$

10. $6\frac{5}{10} + 3\frac{3}{10}$

11. $7\frac{3}{4} + 6\frac{1}{4}$

12. $11\frac{9}{15} + 7\frac{3}{15}$

Problem Solving

Show Your Work

13. Tani jogged $1\frac{3}{4}$ km on Tuesday and $2\frac{3}{4}$ km on Thursday. How far did he jog altogether?

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