

# Independent Practice

## 6.4

NAME \_\_\_\_\_

**Module 6**    **Computational Fluency of Fractions**  
**Lesson 4**    **Adding and Subtracting Mixed Numbers**

**Model to solve.**

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

**Evaluate the expression.**

2.  $5\frac{1}{6} + 3\frac{1}{2}$

3.  $4\frac{1}{5} + 3\frac{2}{3}$

4.  $7\frac{3}{4} + 2\frac{1}{3}$

5. 
$$\begin{array}{r} 2\frac{3}{7} \\ +3\frac{4}{7} \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 3\frac{3}{4} \\ +8\frac{2}{5} \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 6\frac{5}{8} \\ +3\frac{3}{4} \\ \hline \end{array}$$

8. Marcy bought  $5\frac{1}{2}$  yards of blue ribbon and  $3\frac{3}{4}$  yard of green ribbon to decorate a hat. How many total yards of ribbon did she buy?
9. James used three bags of limes to make limeade. The weight of the three bags was  $1\frac{1}{2}$  pounds,  $2\frac{1}{5}$  pounds, and  $\frac{7}{8}$  pound. How many total pounds of limes did James use?

**Model to solve.**

10.  $4\frac{1}{5} - 3\frac{4}{5}$

**Evaluate the expression.**

11.  $4\frac{3}{8}$   
 $-2\frac{1}{8}$   

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12.  $5\frac{1}{10}$   
 $-3\frac{7}{10}$   

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13.  $8\frac{1}{4}$   
 $-5\frac{2}{3}$   

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14.  $5 - 2\frac{5}{6}$

15.  $9\frac{1}{3} - 4\frac{1}{3}$

16.  $8\frac{1}{5} - 2\frac{1}{3}$

17. Ryan is making a casserole recipe. He has a  $11\frac{1}{2}$  ounce can of soup. The recipe calls for  $6\frac{3}{4}$  ounces of soup. How much soup will he have left in the can after using what he needs for the recipe?
18. Enrique is joining two shorter sections of fence to close off the back of his yard. The two sections of fence are  $6\frac{3}{8}$  yards and  $9\frac{1}{2}$  yards. He needs a total of  $12\frac{3}{4}$  yard to close off the back of the yard. How much fence will remain after he closes off the yard?

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**Journal**

1. Alonso subtracted  $3\frac{2}{3}$  from 7 as shown below. Find and correct his error.

$$\begin{array}{r} 7 \\ -3\frac{2}{3} \\ \hline \end{array} \qquad \begin{array}{r} 7\frac{3}{3} \\ -3\frac{2}{3} \\ \hline 4\frac{1}{3} \end{array}$$

2. Tell how to find the sum  $7\frac{1}{3} + 3\frac{5}{8}$  without using a model.
3. Explain how you know, without solving, which sum below is a whole number. Then find that sum.

$$4\frac{1}{6} + 1\frac{5}{6}$$

$$7\frac{3}{5} + 2\frac{1}{5}$$

**Cumulative Review**

**Simplify.**

1.  $\frac{15}{25}$

2.  $\frac{18}{24}$

3.  $\frac{35}{50}$

**Write as a mixed number.**

4.  $\frac{17}{5}$

5.  $\frac{25}{12}$

6.  $\frac{8}{3}$

**Evaluate.**

7.  $0.25 \times 5$

8.  $7.44 \div 3.1$

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

10.  $\frac{3}{10} + \frac{1}{2}$

11.  $\frac{13}{15} - \frac{7}{15}$

12.  $\frac{1}{2} - \frac{1}{8}$