

Name _____ Date _____

Add Mixed Numbers with and without Regrouping

CA Standards
KEY NS 2.3, MR 2.4

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

Step 1 Use a common denominator to find equivalent fractions.

$$2\frac{5}{6} = 2\frac{10}{12}$$

$$3\frac{2}{3} = 3\frac{8}{12}$$

Step 2 Add the fractions.

$$\begin{array}{r} 2\frac{10}{12} \\ + 3\frac{8}{12} \\ \hline 5\frac{18}{12} \end{array}$$

Step 3 Add the whole numbers. Simplify.

$$\begin{array}{r} 2\frac{10}{12} \\ + 3\frac{8}{12} \\ \hline 5\frac{18}{12} = 6\frac{6}{12} = 6\frac{1}{2} \end{array}$$

Add. Write each sum in simplest form.

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

2. $4\frac{1}{2} + 2\frac{3}{8}$ _____

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

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

5. $6\frac{3}{5} + 4\frac{7}{10}$ _____

6. $5\frac{2}{3} + 1\frac{3}{4}$ _____

7. $9\frac{1}{2}$ _____

8. $5\frac{3}{8}$ _____

9. $1\frac{9}{10}$ _____

$$\begin{array}{r} 9\frac{1}{2} \\ + 4\frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 5\frac{3}{8} \\ + 1\frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 1\frac{9}{10} \\ + 7\frac{4}{5} \\ \hline \end{array}$$

Evaluate the expression. Write your answer in simplest form.

10. Evaluate $1\frac{1}{3} + y$, if $y = 3\frac{5}{8}$. _____

11. Evaluate $3\frac{2}{5} + y$, if $y = 2\frac{1}{10}$. _____

Spiral Review (Chapter 7, Lesson 1) KEY NS 2.3, MR 3.2

Solve.

12. $5 + \frac{1}{2}$ _____

13. $\frac{3}{5} + 4$ _____

14. Juanita has $\frac{2}{3}$ of a candy bar. Max gives her a whole candy bar. How many candy bars does Juanita have now?
