

# 2.13

## Adding Mixed Numbers with the Same Denominator

### • Example 1

Add.

$$\begin{aligned} 3\frac{1}{5} + 4\frac{2}{5} &= (3 + 4) + \left(\frac{1}{5}\right) + \left(\frac{2}{5}\right) \\ &= 7 + \frac{3}{5} \\ &= 7\frac{3}{5} \end{aligned}$$

### • • • CHECK YOURSELF 1

Add  $2\frac{3}{10} + 3\frac{4}{10}$ .

### • Example 2

#### Adding Mixed Numbers

$$\begin{aligned} 2\frac{5}{7} + 3\frac{6}{7} &= 5\frac{11}{7} \\ &= 5 + 1\frac{4}{7} \\ &= 6\frac{4}{7} \end{aligned}$$

Write the improper fraction,  $\frac{11}{7}$ , as a mixed number,  $1\frac{4}{7}$ .

Add the remaining whole numbers.  $5 + 1 = 6$ .

### • • • CHECK YOURSELF 2

Add  $4\frac{3}{8} + 2\frac{7}{8}$ .

### • • • CHECK YOURSELF ANSWERS

1.  $5\frac{7}{10}$ .      2.  $4\frac{3}{8} + 2\frac{7}{8} = 6\frac{10}{8} = 6 + 1\frac{2}{8} = 7\frac{2}{8} = 7\frac{1}{4}$ .

# 2.13 Exercises

Name \_\_\_\_\_

Section \_\_\_\_\_

Date \_\_\_\_\_

## A N S W E R S

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

Add.

1.  $2\frac{2}{9} + 3\frac{5}{9}$

2.  $5\frac{2}{9} + 6\frac{4}{9}$

3.  $2\frac{1}{9} + 5\frac{5}{9}$

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

5.  $6\frac{5}{9} + 4\frac{7}{9}$

6.  $5\frac{8}{9} + 4\frac{4}{9}$

7.  $4\frac{5}{11} + 2\frac{3}{11}$

8.  $4\frac{5}{8} + 3\frac{7}{8}$

9.  $6\frac{7}{10} + 3\frac{3}{10}$

10.  $2\frac{6}{7} + 3\frac{4}{7}$