

## Chapter 5 Quiz Review (5.1-5.4)

Find the sum or difference. Simplify if possible.

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

2.  $\frac{3}{4} - \frac{7}{12}$

Use mental math to solve the equation.

3.  $\frac{5}{9} = \frac{4}{9} + x$

4. For a race, Dan ran  $\frac{5}{8}$  mile and then swam  $\frac{1}{8}$  mile. What was the total distance of the competition?

5. Burt's grandmother is making two recipes for Thanksgiving. The first requires  $\frac{1}{9}$  cup of flour, and the second requires  $\frac{2}{3}$  cup of flour. How much flour will Burt's grandmother need to make the recipes?

6. Nima mowed  $\frac{1}{9}$  of the lawn. Later Bonnie mowed  $\frac{2}{9}$  of the lawn. How much of the lawn did they mow altogether?

Find the sum or difference.

7.  $8\frac{1}{7} - 3\frac{1}{9}$

a.  $5\frac{2}{63}$

b. 7

c.  $\frac{4}{191}$

d.  $6\frac{2}{63}$

8.  $4\frac{2}{3} + 9\frac{3}{4}$

9.  $5\frac{1}{3} - 4\frac{6}{7}$

Evaluate the expression when

$$x = 4\frac{2}{3}, y = 5\frac{3}{5}, \text{ and } z = 6\frac{3}{4}.$$

10.  $x + y - z$

a.  $4\frac{29}{60}$

b.  $3\frac{29}{60}$

c.  $4\frac{31}{60}$

d.  $3\frac{31}{60}$

11. Ernest and Elena decided to have a contest to find who could read more per week. Ernest read for  $19\frac{9}{16}$  hours, and Elena read for  $13\frac{1}{8}$  hours. For how many more hours did Ernest read?

12. Sandra had  $6\frac{11}{12}$  yards of fabric. She used  $2\frac{5}{12}$  yards to make a banner. How much fabric does she have left?