

Adding and Subtracting Fractions with Like Denominators

Add or subtract. Simplify if possible.

$$\begin{array}{r} 1. \quad \frac{10}{12} \\ + \frac{8}{12} \\ \hline \end{array}$$

$$1\frac{1}{2}$$

$$\begin{array}{r} 2. \quad \frac{8}{9} \\ - \frac{5}{9} \\ \hline \end{array}$$

$$1\frac{3}{3}$$

$$\begin{array}{r} 3. \quad \frac{7}{10} \\ + \frac{2}{10} \\ \hline \end{array}$$

$$\frac{9}{10}$$

$$\begin{array}{r} 4. \quad \frac{2}{3} \\ - \frac{1}{3} \\ \hline \end{array}$$

$$1\frac{1}{3}$$

$$5. \quad \frac{6}{8} + \frac{5}{8} + \frac{3}{8} =$$

$$1\frac{3}{4}$$

$$6. \quad \frac{8}{10} - \frac{3}{10} =$$

$$1\frac{2}{2}$$

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

$$1\frac{1}{2}$$

$$8. \quad \frac{9}{11} - \frac{1}{11} =$$

$$\frac{8}{11}$$

$$9. \quad \frac{2}{5} + \frac{2}{5} + \frac{3}{5} =$$

$$1\frac{2}{5}$$

$$10. \quad \frac{7}{8} - \frac{3}{8} =$$

$$1\frac{1}{2}$$

11. What fraction could you add to $\frac{4}{7}$ to get a sum greater than 1?

any fraction greater than $\frac{3}{7}$

12. **Reasoning** Write three fractions, using 10 as the denominator, whose sum is 1.

Possible answer: $\frac{1}{10} + \frac{3}{10} + \frac{6}{10} = 1$

13. Which of the following represents the difference between two equal fractions?

A 1

B $\frac{1}{2}$

C $\frac{1}{4}$

D 0

14. **Explain It** In one night, George reads 3 chapters of a book with 27 chapters. After the second night, he has read a total of $\frac{8}{27}$ of the book. Explain how you would determine the number of chapters George read the second night. Solve the problem.

$\frac{8}{27} - \frac{3}{27} = \frac{5}{27}$; On the second night, George read 5 chapters.