

# Adding and Subtracting Fractions and Mixed Numbers

Name \_\_\_\_\_

Date \_\_\_\_\_

Write the sum in simplest form.

1.  $\frac{7}{10} + \frac{4}{5} =$  \_\_\_\_\_      2.  $\frac{3}{4} + \frac{3}{5} =$  \_\_\_\_\_      3.  $\frac{4}{11} + \frac{1}{3} =$  \_\_\_\_\_      4.  $\frac{2}{5} + \frac{1}{7} =$  \_\_\_\_\_

5. 
$$\begin{array}{r} \frac{4}{5} \\ + \frac{3}{8} \\ \hline \end{array}$$
      6. 
$$\begin{array}{r} \frac{5}{9} \\ + \frac{7}{12} \\ \hline \end{array}$$
      7. 
$$\begin{array}{r} \frac{5}{8} \\ + \frac{5}{6} \\ \hline \end{array}$$
      8. 
$$\begin{array}{r} \frac{3}{7} \\ + \frac{4}{5} \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 7\frac{3}{10} \\ + 9\frac{7}{10} \\ \hline \end{array}$$
      10. 
$$\begin{array}{r} 2\frac{3}{11} \\ + 7\frac{5}{11} \\ \hline \end{array}$$
      11. 
$$\begin{array}{r} 4\frac{3}{8} \\ + 4\frac{1}{4} \\ \hline \end{array}$$
      12. 
$$\begin{array}{r} 8\frac{2}{3} \\ + 3\frac{4}{9} \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 10\frac{5}{9} \\ + 6\frac{3}{4} \\ \hline \end{array}$$
      14. 
$$\begin{array}{r} 2\frac{2}{7} \\ + 8\frac{1}{2} \\ \hline \end{array}$$
      15. 
$$\begin{array}{r} 12\frac{5}{6} \\ + 6\frac{4}{5} \\ \hline \end{array}$$
      16. 
$$\begin{array}{r} 2\frac{1}{3} \\ + 5\frac{4}{7} \\ \hline \end{array}$$

Write the difference in simplest form.

17.  $\frac{5}{12} - \frac{1}{12} =$  \_\_\_\_\_      18.  $\frac{6}{7} - \frac{3}{7} =$  \_\_\_\_\_      19.  $\frac{7}{8} - \frac{5}{8} =$  \_\_\_\_\_      20.  $\frac{7}{9} - \frac{4}{9} =$  \_\_\_\_\_

21. 
$$\begin{array}{r} 15\frac{5}{8} \\ - 3\frac{1}{8} \\ \hline \end{array}$$
      22. 
$$\begin{array}{r} 4\frac{2}{9} \\ - 1\frac{2}{9} \\ \hline \end{array}$$
      23. 
$$\begin{array}{r} 16\frac{7}{8} \\ - 4\frac{3}{4} \\ \hline \end{array}$$
      24. 
$$\begin{array}{r} 14\frac{1}{3} \\ - 8\frac{5}{6} \\ \hline \end{array}$$

25. 
$$\begin{array}{r} 17\frac{5}{7} \\ - 5\frac{2}{3} \\ \hline \end{array}$$
      26. 
$$\begin{array}{r} 8\frac{1}{4} \\ - 2\frac{1}{3} \\ \hline \end{array}$$
      27. 
$$\begin{array}{r} 10\frac{2}{9} \\ - 5\frac{5}{6} \\ \hline \end{array}$$
      28. 
$$\begin{array}{r} 11\frac{3}{4} \\ - 9\frac{1}{2} \\ \hline \end{array}$$

Solve.

29. Three boxes weigh  $6\frac{1}{4}$  lb,  $4\frac{3}{8}$  lb, and  $5\frac{3}{16}$  lb. How much do they weigh together?

\_\_\_\_\_

30. The Gray family used  $140\frac{5}{6}$  gallons of heating oil in January and  $145\frac{3}{4}$  gallons in February. How many more gallons of oil did they use in February?

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31. A designer has a piece of lace that measures  $\frac{5}{8}$  yard. He used a  $\frac{1}{3}$ -yd piece to trim a collar. How much lace does he have left?

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