

**Add Fractions with Unlike Denominators**

Add. Write your answer in simplest form.

$$\begin{array}{r} 1. \quad \frac{1}{2} \\ + \frac{1}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad \frac{2}{5} \\ + \frac{7}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad \frac{5}{8} \\ + \frac{3}{16} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad \frac{3}{5} \\ + \frac{3}{20} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad \frac{9}{10} \\ + \frac{7}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \frac{7}{12} \\ + \frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad \frac{9}{10} \\ + \frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad \frac{3}{16} \\ + \frac{3}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \frac{3}{4} \\ + \frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad \frac{7}{12} \\ + \frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad \frac{2}{3} \\ + \frac{3}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad \frac{9}{20} \\ + \frac{3}{5} \\ \hline \end{array}$$

$$13. \quad \frac{7}{16} + \frac{3}{8} = \underline{\hspace{2cm}}$$

$$14. \quad \frac{5}{6} + \frac{7}{12} = \underline{\hspace{2cm}}$$

$$15. \quad \frac{15}{16} + \frac{5}{8} = \underline{\hspace{2cm}}$$

$$16. \quad \frac{17}{20} + \frac{3}{4} = \underline{\hspace{2cm}}$$

$$17. \quad \frac{1}{4} + \frac{4}{5} = \underline{\hspace{2cm}}$$

$$18. \quad \frac{1}{2} + \frac{1}{5} = \underline{\hspace{2cm}}$$

$$19. \quad \frac{5}{8} + \frac{2}{5} = \underline{\hspace{2cm}}$$

$$20. \quad \frac{7}{10} + \frac{1}{2} = \underline{\hspace{2cm}}$$

$$21. \quad \frac{5}{6} + \frac{5}{8} = \underline{\hspace{2cm}}$$

$$22. \quad \frac{5}{8} + \frac{3}{10} = \underline{\hspace{2cm}}$$

$$23. \quad \frac{3}{5} + \frac{1}{4} = \underline{\hspace{2cm}}$$

$$24. \quad \frac{5}{6} + \frac{7}{9} = \underline{\hspace{2cm}}$$

$$25. \quad \frac{9}{10} + \frac{7}{20} = \underline{\hspace{2cm}}$$

$$26. \quad \frac{3}{5} + \frac{5}{6} = \underline{\hspace{2cm}}$$

$$27. \quad \frac{5}{8} + \frac{35}{12} = \underline{\hspace{2cm}}$$

**Problem Solving**

Solve.

- 28.** After school, Michael walks  $\frac{3}{5}$  mile to the park and then walks  $\frac{3}{4}$  mile to his house. How far does Michael walk from school to his house?

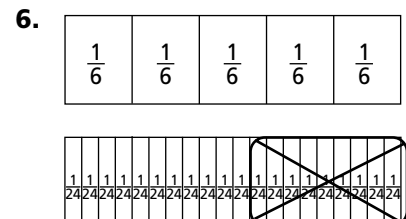
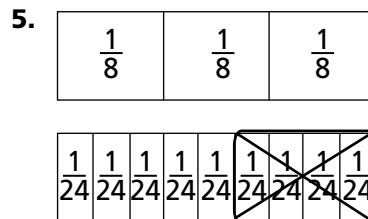
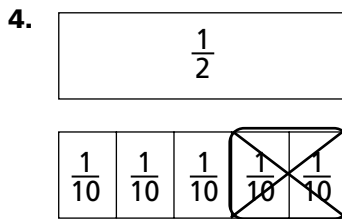
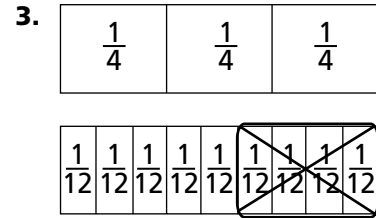
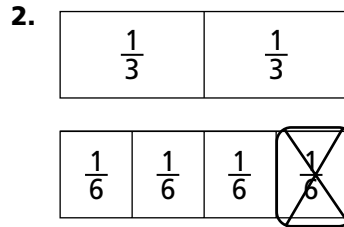
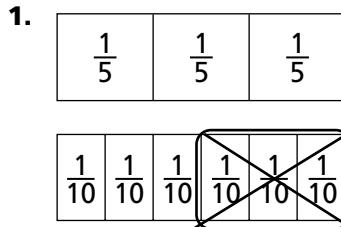
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- 29.** When Rachel walks to school on the sidewalk, she walks  $\frac{7}{10}$  mile. When she takes the shortcut across the field, she walks  $\frac{1}{4}$  mile less. How long is the shorter route?

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# Subtract Fractions with Unlike Denominators

Write the subtraction sentence shown by each model. Write the difference in simplest form.



Subtract. Write your answer in simplest form.

7.  $\frac{7}{12} - \frac{1}{4} =$  \_\_\_\_\_

8.  $\frac{1}{2} - \frac{1}{3} =$  \_\_\_\_\_

9.  $\frac{9}{10} - \frac{2}{5} =$  \_\_\_\_\_

10.  $\frac{5}{8} - \frac{1}{4} =$  \_\_\_\_\_

11.  $\frac{11}{20} - \frac{3}{10} =$  \_\_\_\_\_

12.  $\frac{11}{12} - \frac{1}{3} =$  \_\_\_\_\_

13.  $\frac{7}{10} - \frac{1}{2} =$  \_\_\_\_\_

14.  $\frac{3}{4} - \frac{2}{3} =$  \_\_\_\_\_

15.  $\frac{5}{6} - \frac{3}{4} =$  \_\_\_\_\_

16.  $\frac{3}{4} - \frac{3}{5} =$  \_\_\_\_\_

17.  $\frac{11}{12} - \frac{1}{4} =$  \_\_\_\_\_

18.  $\frac{4}{5} - \frac{1}{2} =$  \_\_\_\_\_

## Problem Solving

Solve.

19. The distance around a lily pond is  $\frac{7}{10}$  mile. Rocks have been placed for  $\frac{1}{4}$  mile along the pond's edge. How much of the edge does not have rocks?
- \_\_\_\_\_

20. The first  $\frac{1}{5}$  mile of a  $\frac{3}{4}$ -mile path through a rose garden is paved with bricks. How much of the path is not paved with bricks?
- \_\_\_\_\_