

Add Fractions With Unlike Denominators

Add. $\frac{1}{3} + \frac{1}{4} = n$

<p>Step 1: Model the fractions. They represent different amounts.</p> <p>To add these fractions, you need to write them as equivalent fractions.</p>	<p>Step 2: Use the product of the denominators to write equivalent fractions. They will have the same denominators.</p> <div style="text-align: center;"> <p style="margin: 0;">$\frac{1}{3} = \frac{4}{12}$ $\frac{1}{4} = \frac{3}{12}$</p> <p style="margin: 0;">$3 \times 4 = 12$ ← common denominator</p> </div>	<p>Step 3: Rewrite the problem using the equivalent fractions with a common denominator. Add the numerators.</p> $\frac{1}{3} + \frac{1}{4} = \frac{4}{12} + \frac{3}{12} = \frac{7}{12}$
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Add. Write each sum in simplest form.

1.
$$\begin{array}{r} \frac{1}{3} \\ + \frac{5}{12} \\ \hline \end{array}$$

2.
$$\begin{array}{r} \frac{2}{5} \\ + \frac{1}{10} \\ \hline \end{array}$$

3.
$$\begin{array}{r} \frac{1}{2} \\ + \frac{1}{5} \\ \hline \end{array}$$

4.
$$\begin{array}{r} \frac{9}{10} \\ + \frac{2}{3} \\ \hline \end{array}$$

5.
$$\begin{array}{r} \frac{5}{8} \\ + \frac{2}{3} \\ \hline \end{array}$$

6.
$$\begin{array}{r} \frac{1}{3} \\ + \frac{2}{9} \\ \hline \end{array}$$

7.
$$\begin{array}{r} \frac{5}{11} \\ + \frac{1}{2} \\ \hline \end{array}$$

8.
$$\begin{array}{r} \frac{3}{7} \\ + \frac{1}{5} \\ \hline \end{array}$$

9. $\frac{1}{3} + \frac{1}{6}$

10. $\frac{1}{4} + \frac{3}{5}$

11. $\frac{3}{5} + \frac{7}{15}$

12. $\frac{5}{6} + \frac{1}{7}$

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

14. $\frac{1}{10} + \frac{7}{12}$

15. $\frac{9}{11} + \frac{3}{22}$

16. $\frac{5}{12} + \frac{7}{8}$
