

# Subtract With Like Denominators

Find  $\frac{7}{8} - \frac{1}{8}$ .

<p>When denominators are the same, just subtract the numerators.</p> $\frac{7}{8} - \frac{1}{8} = \frac{(7-1)}{8} = \frac{6}{8}$	<p>Simplify, if possible.</p> <div style="text-align: center;"> </div>
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Find  $4\frac{1}{8} - 1\frac{7}{8}$ .

<p><b>Step 1:</b> Rename <math>4\frac{1}{8}</math></p> $\begin{aligned} 4\frac{1}{8} &= 4 + \frac{1}{8} \\ &= \overbrace{3 + \frac{8}{8}}^1 + \frac{1}{8} \\ &= 3 + \frac{9}{8} = 3\frac{9}{8} \end{aligned}$	<p><b>Step 2:</b> Subtract the fraction parts first.</p> $\begin{array}{r} 4\frac{1}{8} \\ -1\frac{7}{8} \\ \hline \end{array} = \begin{array}{r} 3\frac{9}{8} \\ -1\frac{7}{8} \\ \hline 2\frac{2}{8} \end{array}$	<p><b>Step 3:</b> Subtract the whole numbers. Simplify.</p> $\begin{array}{r} 4\frac{1}{8} \\ -1\frac{7}{8} \\ \hline \end{array} = \begin{array}{r} 3\frac{9}{8} \\ -1\frac{7}{8} \\ \hline 2\frac{2}{8} = 2\frac{1}{4} \end{array}$
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**Subtract. Write each answer in simplest form.**

1. 
$$\begin{array}{r} \frac{5}{11} \\ -\frac{1}{11} \\ \hline \end{array}$$

2. 
$$\begin{array}{r} \frac{8}{13} \\ -\frac{6}{13} \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 14 \\ -5\frac{3}{4} \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 12\frac{1}{3} \\ -7\frac{2}{3} \\ \hline \end{array}$$

5.  $\frac{17}{24} - \frac{11}{24}$

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6.  $16 - 7\frac{2}{3}$

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7.  $8\frac{3}{10} - 4\frac{9}{10}$

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8.  $6\frac{3}{8} - 1\frac{7}{8}$

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