

## LESSON 27

# Subtraction Of Unlike Mixed Numbers

Unlike mixed numbers have fractional parts with different denominators.

The difference of two unlike mixed numbers can be found by making common denominators for the fractional parts.

Example: Subtract

$$5 \frac{7}{10} - 1 \frac{3}{8}$$

$$\begin{array}{r} 5 \frac{7}{10} = 4 \frac{28}{40} \\ - 1 \frac{3}{8} = 1 \frac{15}{40} \\ \hline 3 \frac{13}{40} \end{array}$$

# Subtract By Making Like Denominators

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| <p>1.</p> $\begin{array}{r} 12 \frac{7}{8} = 12 \frac{7}{8} \\ - 3 \frac{1}{4} = 3 \frac{2}{8} \\ \hline 9 \frac{4}{8} \end{array}$                      | <p>6.</p> $\begin{array}{r} 19 \frac{4}{5} \quad \text{---} \\ - 12 \frac{7}{30} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$    | <p>11.</p> $\begin{array}{r} 5 \frac{13}{16} \quad \text{---} \\ - 3 \frac{7}{48} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$  |
| <p>2.</p> $\begin{array}{r} 4 \frac{5}{6} \quad \text{---} \\ - 1 \frac{1}{3} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$       | <p>7.</p> $\begin{array}{r} 8 \frac{3}{5} \quad \text{---} \\ - 2 \frac{1}{15} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$      | <p>12.</p> $\begin{array}{r} 8 \frac{24}{25} \quad \text{---} \\ - 2 \frac{1}{100} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$ |
| <p>3.</p> $\begin{array}{r} 9 \frac{17}{24} = \quad \text{---} \\ - 5 \frac{3}{8} = \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$ | <p>8.</p> $\begin{array}{r} 7 \frac{23}{24} \quad \text{---} \\ - 5 \frac{3}{8} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$     | <p>13.</p> $\begin{array}{r} 12 \frac{15}{16} \quad \text{---} \\ - 2 \frac{3}{64} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$ |
| <p>4.</p> $\begin{array}{r} 7 \frac{4}{5} \quad \text{---} \\ - 3 \frac{3}{20} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$      | <p>9.</p> $\begin{array}{r} 3 \frac{7}{12} \quad \text{---} \\ - 1 \frac{1}{3} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$      | <p>14.</p> $\begin{array}{r} 2 \frac{15}{32} \quad \text{---} \\ - 1 \frac{3}{64} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$  |
| <p>5.</p> $\begin{array}{r} 7 \frac{29}{36} \quad \text{---} \\ - 2 \frac{2}{9} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$     | <p>10.</p> $\begin{array}{r} 7 \frac{7}{9} = \quad \text{---} \\ - 1 \frac{5}{36} = \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$ | <p>15.</p> $\begin{array}{r} 5 \frac{73}{80} \quad \text{---} \\ - 1 \frac{3}{16} \quad \text{---} \\ \hline \quad \quad \quad \text{---} \end{array}$  |

# Subtract By Making Like Denominators

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| <p>16.</p> $\begin{array}{r} 7 \frac{2}{3} \quad \text{---} \\ - \\ 1 \frac{2}{5} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>        | <p>21.</p> $\begin{array}{r} 18 \frac{5}{7} \quad \text{---} \\ - \\ 2 \frac{4}{9} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>       | <p>26.</p> $\begin{array}{r} 28 \frac{3}{4} \quad \text{---} \\ - \\ 16 \frac{2}{7} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>  |
| <p>17.</p> $\begin{array}{r} 8 \frac{3}{5} \quad \text{---} \\ - \\ 4 \frac{1}{2} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>        | <p>22.</p> $\begin{array}{r} 9 \frac{4}{5} \quad \text{---} \\ - \\ 2 \frac{3}{4} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>        | <p>27.</p> $\begin{array}{r} 17 \frac{24}{25} \quad \text{---} \\ - \\ 8 \frac{2}{3} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p> |
| <p>18.</p> $\begin{array}{r} 13 \frac{14}{15} = \quad \text{---} \\ - \\ 6 \frac{3}{5} = \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p> | <p>23.</p> $\begin{array}{r} 16 \frac{11}{12} \quad \text{---} \\ - \\ 1 \frac{2}{7} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>     | <p>28.</p> $\begin{array}{r} 16 \frac{7}{8} \quad \text{---} \\ - \\ 7 \frac{2}{9} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>   |
| <p>19.</p> $\begin{array}{r} 17 \frac{4}{5} \quad \text{---} \\ - \\ 3 \frac{2}{9} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>       | <p>24.</p> $\begin{array}{r} 7 \frac{10}{11} \quad \text{---} \\ - \\ 2 \frac{2}{5} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>      | <p>29.</p> $\begin{array}{r} 13 \frac{5}{6} \quad \text{---} \\ - \\ 4 \frac{3}{7} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>   |
| <p>20.</p> $\begin{array}{r} 6 \frac{1}{2} \quad \text{---} \\ - \\ 2 \frac{5}{13} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>       | <p>25.</p> $\begin{array}{r} 18 \frac{11}{12} = \quad \text{---} \\ - \\ 2 \frac{3}{5} = \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p> | <p>30.</p> $\begin{array}{r} 14 \frac{6}{7} \quad \text{---} \\ - \\ 3 \frac{5}{12} \quad \text{---} \\ \hline \end{array}$ <p style="text-align: center;">---</p>  |

# Subtract By Making Like Denominators

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| <p>31.</p> $\begin{array}{r} 4 \frac{5}{6} \\ - 1 \frac{3}{4} \\ \hline \end{array}$ <p style="text-align: center;">_____</p>     | <p>36.</p> $\begin{array}{r} 9 \frac{7}{12} \\ - 2 \frac{2}{9} \\ \hline \end{array}$ <p style="text-align: center;">_____</p>      | <p>41.</p> $\begin{array}{r} 12 \frac{11}{15} \\ - 4 \frac{3}{20} \\ \hline \end{array}$ <p style="text-align: center;">_____</p> |
| <p>32.</p> $\begin{array}{r} 9 \frac{7}{10} \\ - 2 \frac{3}{8} \\ \hline \end{array}$ <p style="text-align: center;">_____</p>    | <p>37.</p> $\begin{array}{r} 15 \frac{11}{20} \\ - 2 \frac{7}{25} \\ \hline \end{array}$ <p style="text-align: center;">_____</p>   | <p>42.</p> $\begin{array}{r} 16 \frac{17}{24} \\ - 2 \frac{5}{18} \\ \hline \end{array}$ <p style="text-align: center;">_____</p> |
| <p>33.</p> $\begin{array}{r} 13 \frac{5}{8} \\ - 7 \frac{1}{6} \\ \hline \end{array} =$ <p style="text-align: center;">_____</p>  | <p>38.</p> $\begin{array}{r} 16 \frac{29}{30} \\ - 9 \frac{7}{20} \\ \hline \end{array}$ <p style="text-align: center;">_____</p>   | <p>43.</p> $\begin{array}{r} 11 \frac{14}{15} \\ - 7 \frac{7}{8} \\ \hline \end{array}$ <p style="text-align: center;">_____</p>  |
| <p>34.</p> $\begin{array}{r} 16 \frac{8}{9} \\ - 1 \frac{5}{12} \\ \hline \end{array}$ <p style="text-align: center;">_____</p>   | <p>39.</p> $\begin{array}{r} 15 \frac{19}{22} \\ - 7 \frac{5}{33} \\ \hline \end{array}$ <p style="text-align: center;">_____</p>   | <p>44.</p> $\begin{array}{r} 19 \frac{13}{14} \\ - 6 \frac{5}{21} \\ \hline \end{array}$ <p style="text-align: center;">_____</p> |
| <p>35.</p> $\begin{array}{r} 14 \frac{11}{18} \\ - 6 \frac{1}{12} \\ \hline \end{array}$ <p style="text-align: center;">_____</p> | <p>40.</p> $\begin{array}{r} 18 \frac{15}{16} \\ - 7 \frac{3}{24} \\ \hline \end{array} =$ <p style="text-align: center;">_____</p> | <p>45.</p> $\begin{array}{r} 15 \frac{23}{26} \\ - 6 \frac{5}{39} \\ \hline \end{array}$ <p style="text-align: center;">_____</p> |