

LESSON 26

Subtraction Of Mixed Numbers

The difference of two mixed numbers can be found by subtracting the fractional parts and the whole number parts.

Example 1:

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

Example 2:

$$\begin{array}{r}
 15\frac{1}{6} = 14\frac{7}{6} \\
 - \quad 2\frac{5}{6} = 2\frac{5}{6} \\
 \hline
 12\frac{2}{6} = 12\frac{1}{3}
 \end{array}$$

Subtract By Borrowing And Give A Reduced Answer

<p>1.</p> $\begin{array}{r} 8 \frac{4}{5} \\ - \frac{1}{5} \\ \hline 8 \frac{3}{5} \end{array}$	<p>6.</p> $\begin{array}{r} 9 \frac{3}{15} \\ - \frac{1}{15} \\ \hline 9 \frac{2}{15} \end{array}$	<p>11.</p> $\begin{array}{r} 12 \frac{3}{4} \\ - \frac{1}{4} \\ \hline 11 \frac{2}{4} = 11 \frac{1}{2} \end{array}$	<p>16.</p> $\begin{array}{r} 9 \frac{1}{5} \\ - 2 \\ \hline 7 \frac{1}{5} \end{array}$	<p>21.</p> $\begin{array}{r} 6 \frac{7}{8} \\ - \frac{2}{8} \\ \hline 1 \frac{5}{8} \end{array}$	<p>26.</p> $\begin{array}{r} 6 \frac{3}{100} \\ - \frac{3}{100} \\ \hline 4 \end{array}$
<p>2.</p> $\begin{array}{r} 7 \frac{3}{10} \\ - \frac{1}{10} \\ \hline 7 \frac{2}{10} = 7 \frac{1}{5} \end{array}$	<p>7.</p> $\begin{array}{r} 6 \frac{11}{18} \\ - \frac{5}{18} \\ \hline 6 \frac{6}{18} = 6 \frac{1}{2} \end{array}$	<p>12.</p> $\begin{array}{r} 12 \frac{5}{8} \\ - \frac{1}{8} \\ \hline 9 \frac{4}{8} = 9 \frac{1}{2} \end{array}$	<p>17.</p> $\begin{array}{r} 8 \frac{3}{4} \\ - 2 \\ \hline 6 \frac{3}{4} \end{array}$	<p>22.</p> $\begin{array}{r} 7 \frac{3}{5} \\ - \frac{1}{5} \\ \hline 5 \frac{2}{5} \end{array}$	<p>27.</p> $\begin{array}{r} 8 \frac{9}{10} \\ - \frac{4}{10} \\ \hline 5 \frac{5}{10} = 5 \frac{1}{2} \end{array}$
<p>3.</p> $\begin{array}{r} 9 \frac{3}{8} \\ - \frac{1}{8} \\ \hline 9 \frac{2}{8} = 9 \frac{1}{4} \end{array}$	<p>8.</p> $\begin{array}{r} 3 \frac{5}{12} \\ - \frac{4}{12} \\ \hline 3 \frac{1}{12} \end{array}$	<p>13.</p> $\begin{array}{r} 15 \frac{9}{16} \\ - \frac{7}{16} \\ \hline 11 \frac{2}{16} = 11 \frac{1}{8} \end{array}$	<p>18.</p> $\begin{array}{r} 7 \frac{5}{26} \\ - 3 \\ \hline 4 \frac{5}{26} \end{array}$	<p>23.</p> $\begin{array}{r} 9 \frac{5}{12} \\ - \frac{2}{12} \\ \hline 7 \frac{3}{12} = 7 \frac{1}{4} \end{array}$	<p>28.</p> $\begin{array}{r} 7 \frac{4}{4} \\ - \frac{3}{4} \\ \hline 5 \frac{1}{4} \end{array}$
<p>4.</p> $\begin{array}{r} 6 \frac{5}{12} \\ - \frac{1}{12} \\ \hline 6 \frac{4}{12} = 6 \frac{1}{3} \end{array}$	<p>9.</p> $\begin{array}{r} 3 \frac{7}{10} \\ - \frac{6}{10} \\ \hline 3 \frac{1}{10} \end{array}$	<p>14.</p> $\begin{array}{r} 16 \frac{15}{32} \\ - \frac{11}{32} \\ \hline 12 \frac{4}{32} = 12 \frac{1}{8} \end{array}$	<p>19.</p> $\begin{array}{r} 10 \frac{3}{50} \\ - 9 \\ \hline 1 \frac{3}{50} \end{array}$	<p>24.</p> $\begin{array}{r} 7 \frac{11}{16} \\ - \frac{3}{16} \\ \hline 5 \frac{8}{16} = 5 \frac{1}{2} \end{array}$	<p>29.</p> $\begin{array}{r} 12 \frac{1}{50} \\ - \frac{0}{50} \\ \hline 10 \frac{1}{50} \end{array}$
<p>5.</p> $\begin{array}{r} 4 \frac{5}{7} \\ - \frac{2}{7} \\ \hline 4 \frac{3}{7} \end{array}$	<p>10.</p> $\begin{array}{r} 8 \frac{53}{100} \\ - \frac{30}{100} \\ \hline 8 \frac{23}{100} \end{array}$	<p>15.</p> $\begin{array}{r} 8 \frac{9}{10} \\ - \frac{8}{10} \\ \hline 6 \frac{1}{10} \end{array}$	<p>20.</p> $\begin{array}{r} 12 \frac{1}{16} \\ - 5 \\ \hline 7 \frac{1}{16} \end{array}$	<p>25.</p> $\begin{array}{r} 8 \frac{15}{32} \\ - \frac{14}{32} \\ \hline 7 \frac{1}{32} \end{array}$	<p>30.</p> $\begin{array}{r} 6 \frac{7}{4} \\ - \frac{3}{4} \\ \hline 4 \frac{4}{4} = 5 \end{array}$

Subtract By Borrowing And Give A Reduced Answer

<p>31.</p> $\begin{array}{r} 9 \frac{3}{8} = 8 \frac{11}{8} \\ - 3 \frac{7}{8} = 3 \frac{7}{8} \\ \hline 5 \frac{4}{8} = 5 \frac{1}{2} \end{array}$	<p>36.</p> $\begin{array}{r} 12 \frac{3}{10} \\ - 5 \frac{7}{10} \\ \hline 6 \frac{6}{10} = 6 \frac{3}{5} \end{array}$	<p>41.</p> $\begin{array}{r} 8 \frac{3}{25} \\ - 1 \frac{13}{25} \\ \hline 6 \frac{15}{25} = 6 \frac{3}{5} \end{array}$
<p>32.</p> $\begin{array}{r} 9 \frac{2}{5} \\ - 4 \frac{3}{5} \\ \hline 4 \frac{4}{5} \end{array}$	<p>37.</p> $\begin{array}{r} 6 \frac{5}{12} \\ - 3 \frac{11}{12} \\ \hline 2 \frac{6}{12} = 2 \frac{1}{2} \end{array}$	<p>42.</p> $\begin{array}{r} 6 \frac{47}{50} \\ - 3 \frac{49}{50} \\ \hline 2 \frac{48}{50} = 2 \frac{24}{25} \end{array}$
<p>33.</p> $\begin{array}{r} 7 \frac{1}{6} = 6 \frac{7}{6} \\ - 5 \frac{5}{6} = 5 \frac{5}{6} \\ \hline 1 \frac{2}{6} = 1 \frac{1}{3} \end{array}$	<p>38.</p> $\begin{array}{r} 8 \frac{3}{16} \\ - 2 \frac{9}{16} \\ \hline 5 \frac{10}{16} = 5 \frac{5}{8} \end{array}$	<p>43.</p> $\begin{array}{r} 4 \frac{11}{100} \\ - 1 \frac{12}{100} \\ \hline 2 \frac{99}{100} \end{array}$
<p>34.</p> $\begin{array}{r} 12 \frac{2}{9} \\ - 4 \frac{7}{9} \\ \hline 7 \frac{4}{9} \end{array}$	<p>39.</p> $\begin{array}{r} 7 \frac{5}{24} \\ - 3 \frac{17}{24} \\ \hline 3 \frac{12}{24} = 3 \frac{1}{2} \end{array}$	<p>44.</p> $\begin{array}{r} 3 \frac{0}{7} \\ - 2 \frac{3}{7} \\ \hline \frac{4}{7} \end{array}$
<p>35.</p> $\begin{array}{r} 8 \frac{3}{7} \\ - 5 \frac{6}{7} \\ \hline 2 \frac{4}{7} \end{array}$	<p>40.</p> $\begin{array}{r} 3 \frac{3}{16} = 2 \frac{19}{16} \\ - 2 \frac{7}{16} = 2 \frac{7}{16} \\ \hline \frac{12}{16} = \frac{3}{4} \end{array}$	<p>45.</p> $\begin{array}{r} 8 \frac{2}{17} \\ - 3 \frac{7}{17} \\ \hline 4 \frac{12}{17} \end{array}$

Subtract By Borrowing And Give A Reduced Answer

<p>46.</p> $\begin{array}{r} 6 \frac{3}{11} \\ - 2 \frac{5}{11} \\ \hline \end{array}$ $\begin{array}{r} 5 \frac{14}{11} \\ - 2 \frac{5}{11} \\ \hline 3 \frac{9}{11} \end{array}$	<p>51.</p> $\begin{array}{r} 3 \frac{1}{100} \\ - 2 \frac{2}{100} \\ \hline \end{array}$ $\begin{array}{r} 2 \frac{101}{100} \\ - 2 \frac{2}{100} \\ \hline 99 \\ 100 \end{array}$	<p>56.</p> $\begin{array}{r} 3 \frac{9}{8} \\ - 1 \frac{11}{8} \\ \hline \end{array}$ $\begin{array}{r} 2 \frac{17}{8} \\ - 1 \frac{11}{8} \\ \hline 1 \frac{6}{8} = 1 \frac{3}{4} \end{array}$
<p>47.</p> $\begin{array}{r} 8 \frac{1}{75} \\ - 3 \frac{2}{75} \\ \hline \end{array}$ $\begin{array}{r} 7 \frac{76}{75} \\ - 3 \frac{2}{75} \\ \hline 4 \frac{74}{75} \end{array}$	<p>52.</p> $\begin{array}{r} 14 \frac{1}{100} \\ - 6 \frac{50}{100} \\ \hline \end{array}$ $\begin{array}{r} 13 \frac{101}{100} \\ - 6 \frac{50}{100} \\ \hline 7 \frac{51}{100} \end{array}$	<p>57.</p> $\begin{array}{r} 8 \frac{7}{24} \\ - 3 \frac{9}{24} \\ \hline \end{array}$ $\begin{array}{r} 7 \frac{31}{24} \\ - 3 \frac{9}{24} \\ \hline 4 \frac{22}{24} = 4 \frac{11}{12} \end{array}$
<p>48.</p> $\begin{array}{r} 4 \frac{28}{30} \\ - 1 \frac{29}{30} \\ \hline \end{array}$ $\begin{array}{r} 3 \frac{58}{30} \\ - 1 \frac{29}{30} \\ \hline 2 \frac{29}{30} \end{array}$	<p>53.</p> $12 \frac{1}{23} = 11 \frac{24}{23}$ $\begin{array}{r} 3 \frac{5}{23} \\ - 3 \frac{5}{23} \\ \hline \end{array}$ $8 \frac{19}{23}$	<p>58.</p> $\begin{array}{r} 6 \frac{1}{200} \\ - 3 \frac{99}{200} \\ \hline \end{array}$ $\begin{array}{r} 5 \frac{201}{200} \\ - 3 \frac{99}{200} \\ \hline 2 \frac{102}{100} = 2 \frac{51}{100} \end{array}$
<p>49.</p> $\begin{array}{r} 6 \frac{1}{40} \\ - 2 \frac{39}{40} \\ \hline \end{array}$ $\begin{array}{r} 5 \frac{41}{40} \\ - 2 \frac{39}{40} \\ \hline 3 \frac{2}{40} = 3 \frac{1}{20} \end{array}$	<p>54.</p> $\begin{array}{r} 8 \frac{0}{3} \\ - 1 \frac{1}{3} \\ \hline \end{array}$ $\begin{array}{r} 7 \frac{3}{3} \\ - 1 \frac{1}{3} \\ \hline 6 \frac{2}{3} \end{array}$	<p>59.</p> $\begin{array}{r} 12 \frac{1}{14} \\ - 3 \frac{2}{14} \\ \hline \end{array}$ $\begin{array}{r} 11 \frac{15}{14} \\ - 3 \frac{2}{14} \\ \hline 8 \frac{13}{14} \end{array}$
<p>50.</p> $\begin{array}{r} 18 \frac{19}{20} \\ - 7 \frac{20}{20} \\ \hline \end{array}$ $\begin{array}{r} 17 \frac{39}{20} \\ - 7 \frac{20}{20} \\ \hline 10 \frac{19}{20} \end{array}$	<p>55.</p> $\begin{array}{r} 4 \frac{3}{4} \\ - 2 \frac{5}{4} \\ \hline \end{array}$ $\begin{array}{r} 3 \frac{7}{4} \\ - 2 \frac{5}{4} \\ \hline 1 \frac{2}{4} = 1 \frac{1}{2} \end{array}$	<p>60.</p> $\begin{array}{r} 5 \frac{1}{8} \\ - 2 \frac{11}{8} \\ \hline \end{array}$ $\begin{array}{r} 4 \frac{9}{8} \\ - 2 \frac{11}{8} \\ \hline 2 \frac{11}{8} \end{array}$ $\begin{array}{r} 3 \frac{17}{8} \\ - 2 \frac{11}{8} \\ \hline 1 \frac{6}{8} = 1 \frac{3}{4} \end{array}$