

LESSON 24

Addition Of Mixed Numbers

The sum of two or more mixed numbers can be found by adding the fractional parts and then adding the whole number parts.

Example 1:

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

Example 2:

$$\begin{array}{r} 7 \frac{1}{9} \\ + 3 \frac{4}{9} \\ \hline 10 \frac{5}{9} \end{array}$$

Example 3:

$$\begin{array}{r} 6 \frac{4}{5} = 6 \frac{16}{20} \\ + 2 \frac{3}{4} = 2 \frac{15}{20} \\ \hline 8 \frac{31}{20} = 9 \frac{11}{20} \end{array}$$

Since

$$\frac{31}{20} = 1 \frac{11}{20}$$

$$8 + 1 = 9$$

Add The Mixed Numbers And Give A Reduced Answer

<p>1.</p> $\begin{array}{r} 1 \frac{2}{5} \\ + \frac{1}{5} \\ \hline 1 \frac{3}{5} \end{array}$	<p>6.</p> $\begin{array}{r} \frac{6}{10} \\ + 3 \frac{1}{10} \\ \hline \end{array}$	<p>11.</p> $\begin{array}{r} 2 \frac{3}{7} \\ + 5 \frac{1}{7} \\ \hline \end{array}$	<p>16.</p> $\begin{array}{r} 9 \frac{2}{10} \\ + 4 \frac{7}{10} \\ \hline \end{array}$	<p>21.</p> $\begin{array}{r} 8 \frac{5}{9} \\ + 2 \frac{4}{9} \\ \hline 10 \frac{9}{9} = 11 \end{array}$	<p>26.</p> $\begin{array}{r} 5 \frac{3}{4} \\ + 2 \frac{3}{4} \\ \hline \end{array}$
<p>2.</p> $\begin{array}{r} 4 \frac{3}{7} \\ + \frac{2}{7} \\ \hline \end{array}$	<p>7.</p> $\begin{array}{r} \frac{4}{12} \\ + 2 \frac{1}{12} \\ \hline \end{array}$	<p>12.</p> $\begin{array}{r} 6 \frac{1}{8} \\ + 2 \frac{5}{8} \\ \hline \end{array}$	<p>17.</p> $\begin{array}{r} 4 \frac{7}{25} \\ + 3 \frac{9}{25} \\ \hline \end{array}$	<p>22.</p> $\begin{array}{r} 6 \frac{3}{15} \\ + 2 \frac{2}{15} \\ \hline \end{array}$	<p>27.</p> $\begin{array}{r} 8 \frac{4}{5} \\ + 2 \frac{3}{5} \\ \hline \end{array}$
<p>3.</p> $\begin{array}{r} 6 \frac{3}{8} \\ + \frac{1}{8} \\ \hline \end{array}$	<p>8.</p> $\begin{array}{r} \frac{3}{9} \\ + 5 \frac{1}{9} \\ \hline \end{array}$	<p>13.</p> $\begin{array}{r} 5 \frac{1}{11} \\ + 6 \frac{3}{11} \\ \hline \end{array}$	<p>18.</p> $\begin{array}{r} 8 \frac{17}{50} \\ + 2 \frac{3}{50} \\ \hline \end{array}$	<p>23.</p> $\begin{array}{r} 8 \frac{3}{7} \\ + 1 \frac{4}{7} \\ \hline \end{array}$	<p>28.</p> $\begin{array}{r} 6 \frac{5}{9} \\ + 2 \frac{7}{9} \\ \hline \end{array}$
<p>4.</p> $\begin{array}{r} 5 \frac{3}{10} \\ + \frac{1}{10} \\ \hline \end{array}$	<p>9.</p> $\begin{array}{r} \frac{1}{15} \\ + 2 \frac{3}{15} \\ \hline \end{array}$	<p>14.</p> $\begin{array}{r} 8 \frac{1}{16} \\ + 3 \frac{15}{16} \\ \hline \end{array}$	<p>19.</p> $\begin{array}{r} 2 \frac{3}{100} \\ + 17 \frac{46}{100} \\ \hline \end{array}$	<p>24.</p> $\begin{array}{r} 6 \frac{5}{16} \\ + 3 \frac{11}{16} \\ \hline \end{array}$	<p>29.</p> $\begin{array}{r} 3 \frac{15}{16} \\ + 2 \frac{5}{16} \\ \hline \end{array}$
<p>5.</p> $\begin{array}{r} 1 \frac{5}{12} \\ + \frac{1}{12} \\ \hline \end{array}$	<p>10.</p> $\begin{array}{r} \frac{5}{12} \\ + 7 \frac{2}{12} \\ \hline \end{array}$	<p>15.</p> $\begin{array}{r} 7 \frac{1}{32} \\ + 2 \frac{3}{32} \\ \hline \end{array}$	<p>20.</p> $\begin{array}{r} 2 \frac{3}{4} \\ + 4 \frac{1}{4} \\ \hline \end{array}$	<p>25.</p> $\begin{array}{r} 8 \frac{5}{7} \\ + 2 \frac{9}{7} \\ \hline \end{array}$	<p>30.</p> $\begin{array}{r} 7 \frac{9}{10} \\ + 2 \frac{3}{10} \\ \hline \end{array}$

Add The Mixed Numbers And Give A Reduced Answer

<p>31.</p> $\begin{array}{r} 5 \frac{2}{3} = 5 \frac{4}{6} \\ + \frac{1}{6} = \frac{1}{6} \\ \hline \frac{5}{6} \end{array}$	<p>36.</p> $\begin{array}{r} 8 \frac{3}{4} = \frac{}{4} \\ + \frac{1}{12} = \frac{}{12} \\ \hline \frac{}{12} \end{array}$	<p>41.</p> $\begin{array}{r} 6 \frac{5}{10} = \frac{}{10} \\ + \frac{3}{20} = \frac{}{20} \\ \hline \frac{}{20} \end{array}$
<p>32.</p> $\begin{array}{r} 2 \frac{3}{5} = \frac{}{5} \\ + \frac{1}{10} = \frac{}{10} \\ \hline \frac{}{10} \end{array}$	<p>37.</p> $\begin{array}{r} 5 \frac{1}{18} = \frac{}{18} \\ + \frac{4}{6} = \frac{}{6} \\ \hline \frac{}{6} \end{array}$	<p>42.</p> $\begin{array}{r} 8 \frac{1}{2} = \frac{}{2} \\ + \frac{2}{3} = \frac{}{3} \\ \hline \frac{}{3} \end{array}$
<p>33.</p> $\begin{array}{r} 8 \frac{1}{8} = \frac{}{8} \\ + \frac{1}{4} = \frac{}{4} \\ \hline \frac{}{4} \end{array}$	<p>38.</p> $\begin{array}{r} 6 \frac{2}{12} = \frac{}{12} \\ + \frac{1}{4} = \frac{}{4} \\ \hline \frac{}{4} \end{array}$	<p>43.</p> $\begin{array}{r} 5 \frac{1}{3} = \frac{}{3} \\ + \frac{3}{5} = \frac{}{5} \\ \hline \frac{}{5} \end{array}$
<p>34.</p> $\begin{array}{r} 6 \frac{5}{12} = \frac{}{12} \\ + \frac{1}{6} = \frac{}{6} \\ \hline \frac{}{6} \end{array}$	<p>39.</p> $\begin{array}{r} 1 \frac{2}{5} = \frac{}{5} \\ + \frac{7}{20} = \frac{}{20} \\ \hline \frac{}{20} \end{array}$	<p>44.</p> $\begin{array}{r} 6 \frac{1}{8} = \frac{}{8} \\ + \frac{5}{12} = \frac{}{12} \\ \hline \frac{}{12} \end{array}$
<p>35.</p> $\begin{array}{r} 2 \frac{1}{6} = \frac{}{6} \\ + \frac{2}{3} = \frac{}{3} \\ \hline \frac{}{3} \end{array}$	<p>40.</p> $\begin{array}{r} 9 \frac{3}{4} = \frac{}{4} \\ + \frac{1}{6} = \frac{}{6} \\ \hline \frac{}{6} \end{array}$	<p>45.</p> $\begin{array}{r} 3 \frac{2}{9} = \frac{}{9} \\ + \frac{1}{6} = \frac{}{6} \\ \hline \frac{}{6} \end{array}$

Add The Mixed Numbers And Give A Reduced Answer

<p>46.</p> $8 \frac{3}{10} = \underline{\quad}$ $+ 2 \frac{4}{15} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>	<p>51.</p> $7 \frac{8}{10} = \underline{\quad}$ $+ 2 \frac{1}{15} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>	<p>56.</p> $3 \frac{4}{5} = \underline{\quad}$ $+ 2 \frac{2}{3} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>
<p>47.</p> $6 \frac{5}{12} = \underline{\quad}$ $+ 2 \frac{1}{18} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>	<p>52.</p> $2 \frac{4}{6} = \underline{\quad}$ $+ 3 \frac{1}{3} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>	<p>57.</p> $8 \frac{5}{6} = \underline{\quad}$ $+ 1 \frac{3}{4} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>
<p>48.</p> $9 \frac{3}{20} = \underline{\quad}$ $+ 4 \frac{7}{25} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>	<p>53.</p> $2 \frac{5}{15} = \underline{\quad}$ $+ 6 \frac{1}{3} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>	<p>58.</p> $7 \frac{5}{9} = \underline{\quad}$ $+ 3 \frac{5}{6} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>
<p>49.</p> $4 \frac{1}{24} = \underline{\quad}$ $+ 7 \frac{5}{18} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>	<p>54.</p> $8 \frac{4}{7} = \underline{\quad}$ $+ 3 \frac{6}{14} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>	<p>59.</p> $7 \frac{11}{12} = \underline{\quad}$ $+ 3 \frac{7}{9} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>
<p>50.</p> $8 \frac{3}{4} = \underline{\quad}$ $+ 2 \frac{3}{12} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>	<p>55.</p> $3 \frac{12}{25} = \underline{\quad}$ $+ 7 \frac{52}{100} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>	<p>60.</p> $5 \frac{25}{26} = \underline{\quad}$ $+ 2 \frac{35}{39} = \underline{\quad}$ <hr style="width: 100%;"/> <p style="text-align: right;">_____</p>