

Adding Mixed Fractions

Find the value of each expression in lowest terms.

1. $-4\frac{1}{7} + (-11\frac{3}{14}) + (-9\frac{10}{21})$

5. $1\frac{3}{10} + (-3\frac{1}{10}) + 7\frac{1}{2}$

2. $-3\frac{2}{5} + 9\frac{7}{10} + (-2\frac{1}{14})$

6. $5\frac{10}{17} + (-2\frac{13}{30}) + 4\frac{1}{10}$

3. $-6\frac{1}{5} + (-2\frac{8}{15}) + 5\frac{6}{35}$

7. $4\frac{3}{20} + (-16\frac{1}{2}) + 2\frac{7}{8}$

4. $3\frac{13}{16} + (-2\frac{21}{40}) + 4\frac{11}{15}$

8. $-3\frac{31}{39} + (-5\frac{6}{13}) + 3\frac{1}{6}$

Adding Mixed Fractions Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & -4\frac{1}{7} + \left(-11\frac{3}{14}\right) + \left(-9\frac{10}{21}\right) \\ & = -\frac{149}{6} = -24\frac{5}{6} \end{aligned}$$

$$\begin{aligned} 5. \quad & 1\frac{3}{10} + \left(-3\frac{1}{10}\right) + 7\frac{1}{2} \\ & = \frac{57}{10} = 5\frac{7}{10} \end{aligned}$$

$$\begin{aligned} 2. \quad & -3\frac{2}{5} + 9\frac{7}{10} + \left(-2\frac{1}{14}\right) \\ & = \frac{148}{35} = 4\frac{8}{35} \end{aligned}$$

$$\begin{aligned} 6. \quad & 5\frac{10}{17} + \left(-2\frac{13}{30}\right) + 4\frac{1}{10} \\ & = \frac{370}{51} = 7\frac{13}{51} \end{aligned}$$

$$\begin{aligned} 3. \quad & -6\frac{1}{5} + \left(-2\frac{8}{15}\right) + 5\frac{6}{35} \\ & = -\frac{374}{105} = -3\frac{59}{105} \end{aligned}$$

$$\begin{aligned} 7. \quad & 4\frac{3}{20} + \left(-16\frac{1}{2}\right) + 2\frac{7}{8} \\ & = -\frac{379}{40} = -9\frac{19}{40} \end{aligned}$$

$$\begin{aligned} 4. \quad & 3\frac{13}{16} + \left(-2\frac{21}{40}\right) + 4\frac{11}{15} \\ & = \frac{289}{48} = 6\frac{1}{48} \end{aligned}$$

$$\begin{aligned} 8. \quad & -3\frac{31}{39} + \left(-5\frac{6}{13}\right) + 3\frac{1}{6} \\ & = -\frac{475}{78} = -6\frac{7}{78} \end{aligned}$$