

Adding Mixed Fractions (H)

Find the value of each expression in lowest terms.

1. $8\frac{1}{3} + 1\frac{2}{27} + 7\frac{5}{27}$

5. $4\frac{11}{12} + 3\frac{13}{20} + 11\frac{14}{15}$

2. $10\frac{1}{2} + 7\frac{1}{6} + 5\frac{1}{6}$

6. $18\frac{1}{2} + 40\frac{1}{3} + 12\frac{1}{2}$

3. $1\frac{1}{3} + 3\frac{4}{21} + 3\frac{3}{14}$

7. $3\frac{4}{5} + 1\frac{7}{15} + 8\frac{2}{3}$

4. $10\frac{5}{9} + 15\frac{1}{3} + 17\frac{4}{9}$

8. $21\frac{1}{2} + 1\frac{1}{18} + 15\frac{1}{3}$

Adding Mixed Fractions (H) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & 8\frac{1}{3} + 1\frac{2}{27} + 7\frac{5}{27} \\ & = \frac{448}{27} = 16\frac{16}{27} \end{aligned}$$

$$\begin{aligned} 5. \quad & 4\frac{11}{12} + 3\frac{13}{20} + 11\frac{14}{15} \\ & = \frac{41}{2} = 20\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 2. \quad & 10\frac{1}{2} + 7\frac{1}{6} + 5\frac{1}{6} \\ & = \frac{137}{6} = 22\frac{5}{6} \end{aligned}$$

$$\begin{aligned} 6. \quad & 18\frac{1}{2} + 40\frac{1}{3} + 12\frac{1}{2} \\ & = \frac{214}{3} = 71\frac{1}{3} \end{aligned}$$

$$\begin{aligned} 3. \quad & 1\frac{1}{3} + 3\frac{4}{21} + 3\frac{3}{14} \\ & = \frac{325}{42} = 7\frac{31}{42} \end{aligned}$$

$$\begin{aligned} 7. \quad & 3\frac{4}{5} + 1\frac{7}{15} + 8\frac{2}{3} \\ & = \frac{209}{15} = 13\frac{14}{15} \end{aligned}$$

$$\begin{aligned} 4. \quad & 10\frac{5}{9} + 15\frac{1}{3} + 17\frac{4}{9} \\ & = \frac{130}{3} = 43\frac{1}{3} \end{aligned}$$

$$\begin{aligned} 8. \quad & 21\frac{1}{2} + 1\frac{1}{18} + 15\frac{1}{3} \\ & = \frac{341}{9} = 37\frac{8}{9} \end{aligned}$$