Adding and Subtracting Fractions (J)

Find the value of each expression in lowest terms.

1. $\frac{1}{3} + 4\frac{3}{4} + \frac{5}{3}$

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

3. $\frac{17}{10} - \frac{1}{2} + \frac{11}{3}$

4. $\frac{5}{2} - \left(\frac{4}{3} - 1\frac{1}{12}\right)$

5. $2\frac{3}{4} - \left(5\frac{1}{2} - \frac{23}{7}\right)$

6. $\frac{8}{3} - \left(3\frac{2}{7} - \frac{12}{7}\right)$

7. $\frac{12}{5} + \frac{4}{5} - 2\frac{1}{4}$

8. $\frac{1}{2} + 3\frac{1}{2} + \frac{2}{3}$

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

10. $\frac{7}{5} - \frac{2}{3} + \frac{4}{5}$

11. $\frac{7}{5} - \left(2\frac{1}{5} - \frac{11}{8}\right)$

12. $4\frac{1}{5} - \left(1\frac{5}{12} + \frac{7}{3}\right)$

Adding and Subtracting Fractions (J) Answers

Find the value of each expression in lowest terms.

1. $\frac{1}{3} + 4\frac{3}{4} + \frac{5}{3}$
$= \frac{27}{4} = 6\frac{3}{4}$

2. $1\frac{7}{8} - \frac{2}{3} + 2\frac{1}{2}$
$= \frac{89}{24} = 3\frac{17}{24}$

3. $\frac{17}{10} - \frac{1}{2} + \frac{11}{3}$
$= \frac{73}{15} = 4\frac{13}{15}$

4. $\frac{5}{2} - \left(\frac{4}{3} - 1\frac{1}{12}\right)$
$= \frac{9}{4} = 2\frac{1}{4}$

5. $2\frac{3}{4} - \left(5\frac{1}{2} - \frac{23}{7}\right)$
$= \frac{15}{28}$

6. $\frac{8}{3} - \left(3\frac{2}{7} - \frac{12}{7}\right)$
$= \frac{23}{21} = 1\frac{2}{21}$

7. $\frac{12}{5} + \frac{4}{5} - 2\frac{1}{4}$
$= \frac{19}{20}$

8. $\frac{1}{2} + 3\frac{1}{2} + \frac{2}{3}$
$= \frac{14}{3} = 4\frac{2}{3}$

9. $5\frac{3}{4} - \frac{5}{4} + 1\frac{9}{10}$
$= \frac{32}{5} = 6\frac{2}{5}$

10. $\frac{7}{5} - \frac{2}{3} + \frac{4}{5}$
$= \frac{23}{15} = 1\frac{8}{15}$

11. $\frac{7}{5} - \left(2\frac{1}{5} - \frac{11}{8}\right)$
$= \frac{23}{40}$

12. $4\frac{1}{5} - \left(1\frac{5}{12} + \frac{7}{3}\right)$
$= \frac{9}{20}$