

Adding and Subtracting Fractions (H)

Find the value of each expression in lowest terms.

1. $\frac{13}{10} + \frac{3}{5} + \frac{5}{6}$

5. $2\frac{2}{3} + 1\frac{5}{6} - 1\frac{5}{9}$

9. $3\frac{1}{2} - \frac{7}{3} + 1\frac{1}{8}$

2. $1\frac{1}{6} - \left(\frac{10}{3} - \frac{11}{5}\right)$

6. $3\frac{3}{4} - \left(\frac{4}{5} - \frac{1}{4}\right)$

10. $\frac{12}{5} + \frac{9}{5} - \frac{5}{2}$

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

7. $\frac{3}{4} - \frac{4}{11} + 1\frac{7}{11}$

11. $\frac{24}{11} - \frac{21}{11} + \frac{1}{2}$

4. $1\frac{11}{12} - \left(\frac{17}{12} - \frac{4}{3}\right)$

8. $2\frac{6}{7} - \frac{9}{4} - \frac{1}{12}$

12. $\frac{1}{2} + \frac{17}{6} + \frac{8}{9}$

Adding and Subtracting Fractions (H) Answers

Find the value of each expression in lowest terms.

$$1. \frac{13}{10} + \frac{3}{5} + \frac{5}{6} \\ = \frac{41}{15} = 2\frac{11}{15}$$

$$5. 2\frac{2}{3} + 1\frac{5}{6} - 1\frac{5}{9} \\ = \frac{53}{18} = 2\frac{17}{18}$$

$$9. 3\frac{1}{2} - \frac{7}{3} + 1\frac{1}{8} \\ = \frac{55}{24} = 2\frac{7}{24}$$

$$2. 1\frac{1}{6} - \left(\frac{10}{3} - \frac{11}{5}\right) \\ = \frac{1}{30}$$

$$6. 3\frac{3}{4} - \left(\frac{4}{5} - \frac{1}{4}\right) \\ = \frac{16}{5} = 3\frac{1}{5}$$

$$10. \frac{12}{5} + \frac{9}{5} - \frac{5}{2} \\ = \frac{17}{10} = 1\frac{7}{10}$$

$$3. 1\frac{1}{2} - \left(\frac{2}{3} + \frac{5}{7}\right) \\ = \frac{5}{42}$$

$$7. \frac{3}{4} - \frac{4}{11} + 1\frac{7}{11} \\ = \frac{89}{44} = 2\frac{1}{44}$$

$$11. \frac{24}{11} - \frac{21}{11} + \frac{1}{2} \\ = \frac{17}{22}$$

$$4. 1\frac{11}{12} - \left(\frac{17}{12} - \frac{4}{3}\right) \\ = \frac{11}{6} = 1\frac{5}{6}$$

$$8. 2\frac{6}{7} - \frac{9}{4} - \frac{1}{12} \\ = \frac{11}{21}$$

$$12. \frac{1}{2} + \frac{17}{6} + \frac{8}{9} \\ = \frac{38}{9} = 4\frac{2}{9}$$