



Solve each problem.

1) $\frac{2}{8} - \frac{4}{5} \div \frac{3}{4} + \frac{2}{10} \div \frac{5}{10}$

2) $\frac{1}{3} - \frac{1}{6} - \frac{6}{9}$

3) $\frac{2}{4} \div \frac{5}{8} - \frac{2}{4}$

4) $(\frac{1}{8} + \frac{2}{3} \div \frac{5}{8}) - \frac{1}{2} - \frac{6}{7} + \frac{2}{3} + \frac{1}{2}$

5) $\frac{2}{4} \times (\frac{2}{6} \div \frac{1}{2} + \frac{6}{9}) - \frac{2}{5}$

6) $\frac{1}{5} \div \frac{1}{2} - \frac{4}{6}$

7) $\frac{3}{6} + \frac{2}{3} \times \frac{2}{4}$

8) $\frac{1}{2} - \frac{2}{3} - \frac{5}{7} \div \frac{1}{9} + \frac{1}{3}$

9) $\frac{1}{2} \div \frac{1}{2} - \frac{1}{3} \times \frac{2}{5} \times \frac{3}{4}$

10) $\frac{1}{2} \div \frac{5}{9} + \frac{1}{5} - \frac{1}{3}$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

$$\begin{aligned} 1) \quad & \frac{2}{8} - \frac{4}{5} \div \frac{3}{4} + \frac{2}{10} \div \frac{5}{10} \\ & \frac{2}{8} - \frac{16}{15} + \frac{2}{10} \div \frac{5}{10} \\ & \frac{2}{8} - \frac{16}{15} + \frac{2}{5} \\ & -\frac{98}{120} + \frac{2}{5} \\ & -\frac{50}{120} \end{aligned}$$

$$\begin{aligned} 2) \quad & \frac{1}{3} - \frac{1}{6} - \frac{6}{9} \\ & \frac{1}{6} - \frac{6}{9} \\ & -\frac{9}{18} \end{aligned}$$

$$\begin{aligned} 3) \quad & \frac{2}{4} \div \frac{5}{8} - \frac{2}{4} \\ & \frac{4}{5} - \frac{2}{4} \\ & \frac{6}{20} \end{aligned}$$

$$\begin{aligned} 4) \quad & \left(\frac{1}{8} + \frac{2}{3} \div \frac{5}{8} \right) - \frac{1}{2} - \frac{6}{7} + \frac{2}{3} + \frac{1}{2} \\ & \frac{1}{8} + \frac{16}{15} \\ & \frac{143}{120} \\ & \frac{83}{120} - \frac{6}{7} + \frac{2}{3} + \frac{1}{2} \\ & -\frac{139}{840} + \frac{2}{3} + \frac{1}{2} \\ & \frac{421}{840} + \frac{1}{2} \\ & \frac{841}{840} \end{aligned}$$

$$\begin{aligned} 5) \quad & \frac{2}{4} \times \left(\frac{2}{6} \div \frac{1}{2} + \frac{6}{9} \right) - \frac{2}{5} \\ & \frac{2}{3} + \frac{6}{9} \\ & \frac{12}{9} \\ & \frac{2}{3} - \frac{2}{5} \\ & \frac{4}{15} \end{aligned}$$

$$\begin{aligned} 6) \quad & \frac{1}{5} \div \frac{1}{2} - \frac{4}{6} \\ & \frac{2}{5} - \frac{4}{6} \\ & -\frac{8}{30} \end{aligned}$$

$$\begin{aligned} 7) \quad & \frac{3}{6} + \frac{2}{3} \times \frac{2}{4} \\ & \frac{3}{6} + \frac{1}{3} \\ & \frac{5}{6} \end{aligned}$$

$$\begin{aligned} 8) \quad & \frac{1}{2} - \frac{2}{3} - \frac{5}{7} \div \frac{1}{9} + \frac{1}{3} \\ & \frac{1}{2} - \frac{2}{3} - \frac{45}{7} + \frac{1}{3} \\ & -\frac{1}{6} - \frac{45}{7} + \frac{1}{3} \\ & -\frac{277}{42} + \frac{1}{3} \\ & -\frac{263}{42} \end{aligned}$$

$$\begin{aligned} 9) \quad & \frac{1}{2} \div \frac{1}{2} - \frac{1}{3} \times \frac{2}{5} \times \frac{3}{4} \\ & \frac{1}{1} - \frac{1}{3} \times \frac{2}{5} \times \frac{3}{4} \\ & \frac{1}{1} - \frac{2}{15} \times \frac{3}{4} \\ & \frac{1}{1} - \frac{1}{10} \end{aligned}$$

$$\begin{aligned} 10) \quad & \frac{1}{2} \div \frac{5}{9} + \frac{1}{5} - \frac{1}{3} \\ & \frac{9}{10} + \frac{1}{5} - \frac{1}{3} \\ & \frac{11}{10} - \frac{1}{3} \\ & \frac{23}{30} \end{aligned}$$

Answers

1. $-\frac{50}{120}$
2. $-\frac{9}{18}$
3. $\frac{6}{20}$
4. $\frac{841}{840}$
5. $\frac{4}{15}$
6. $-\frac{8}{30}$
7. $\frac{5}{6}$
8. $-\frac{263}{42}$
9. $\frac{9}{10}$
10. $\frac{23}{30}$