



Solve each problem.

1) $(\frac{1}{3} - \frac{1}{7} + \frac{2}{6}) \div \frac{3}{5} \times \frac{2}{3} \times \frac{3}{4} - \frac{7}{10}$

2) $\frac{8}{10} + (\frac{2}{8} \times \frac{1}{9}) + \frac{5}{9}$

3) $\frac{4}{8} \times \frac{1}{8} \div \frac{8}{9}$

4) $\frac{1}{3} \times \frac{3}{6} - \frac{1}{4} \div \frac{7}{8}$

5) $\frac{4}{8} \times \frac{2}{3} \div \frac{8}{10}$

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

7) $\frac{4}{9} - \frac{5}{8} + \frac{1}{3}$

8) $\frac{6}{9} \times \frac{2}{3} \times \frac{2}{8}$

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

10) $\frac{5}{7} \times \frac{1}{5} - \frac{7}{8}$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

$$\begin{aligned} 1) \quad & \left(\frac{1}{3} - \frac{1}{7} + \frac{2}{6} \right) \div \frac{3}{5} \times \frac{2}{3} \times \frac{3}{4} - \frac{7}{10} \\ & \frac{4}{21} + \frac{2}{6} \\ & \frac{22}{42} \\ & \frac{55}{63} \times \frac{2}{3} \times \frac{3}{4} - \frac{7}{10} \\ & \frac{110}{189} \times \frac{3}{4} - \frac{7}{10} \\ & \frac{55}{126} - \frac{7}{10} \\ & - \frac{166}{630} \end{aligned}$$

$$\begin{aligned} 3) \quad & \frac{4}{8} \times \frac{1}{8} \div \frac{8}{9} \\ & \frac{1}{16} \div \frac{8}{9} \\ & \frac{9}{128} \end{aligned}$$

$$\begin{aligned} 5) \quad & \frac{4}{8} \times \frac{2}{3} \div \frac{8}{10} \\ & \frac{1}{3} \div \frac{8}{10} \\ & \frac{5}{12} \end{aligned}$$

$$\begin{aligned} 7) \quad & \frac{4}{9} - \frac{5}{8} + \frac{1}{3} \\ & - \frac{13}{72} + \frac{1}{3} \\ & \frac{11}{72} \end{aligned}$$

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

$$\begin{aligned} 2) \quad & \frac{8}{10} + \left(\frac{2}{8} \times \frac{1}{9} \right) + \frac{5}{9} \\ & \frac{1}{36} \\ & \frac{149}{180} + \frac{5}{9} \\ & \frac{249}{180} \end{aligned}$$

$$\begin{aligned} 4) \quad & \frac{1}{3} \times \frac{3}{6} - \frac{1}{4} \div \frac{7}{8} \\ & \frac{1}{6} - \frac{1}{4} \div \frac{7}{8} \\ & \frac{1}{6} - \frac{2}{7} \\ & - \frac{5}{42} \end{aligned}$$

$$\begin{aligned} 6) \quad & \frac{2}{4} - \frac{2}{5} + \frac{3}{5} + \frac{1}{2} \div \frac{1}{4} \\ & \frac{2}{4} - \frac{2}{5} + \frac{3}{5} + \frac{2}{1} \\ & \frac{2}{20} + \frac{3}{5} + \frac{2}{1} \\ & \frac{14}{20} + \frac{2}{1} \\ & \frac{54}{20} \end{aligned}$$

$$\begin{aligned} 8) \quad & \frac{6}{9} \times \frac{2}{3} \times \frac{2}{8} \\ & \frac{4}{9} \times \frac{2}{8} \\ & \frac{1}{9} \end{aligned}$$

$$\begin{aligned} 10) \quad & \frac{5}{7} \times \frac{1}{5} - \frac{7}{8} \\ & \frac{1}{7} - \frac{7}{8} \\ & - \frac{41}{56} \end{aligned}$$

Answers

1. $-\frac{166}{630}$
2. $\frac{249}{180}$
3. $\frac{9}{128}$
4. $-\frac{5}{42}$
5. $\frac{5}{12}$
6. $\frac{54}{20}$
7. $\frac{11}{72}$
8. $\frac{1}{9}$
9. $-\frac{1}{15}$
10. $-\frac{41}{56}$