



Solve each problem.

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

2) $\frac{9}{10} \div \frac{5}{6} + \frac{2}{3} \times \frac{9}{10}$

3) $\frac{2}{3} - \frac{6}{8} + \frac{2}{5}$

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

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

6) $(\frac{8}{10} \times \frac{6}{9}) + \frac{2}{4} \div \frac{4}{9} + \frac{1}{2}$

7) $\frac{5}{7} - (\frac{1}{4} + \frac{1}{2}) \times \frac{2}{5}$

8) $\frac{3}{9} \times (\frac{1}{2} \div \frac{1}{2}) - \frac{3}{9}$

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

10) $\frac{5}{8} - (\frac{8}{9} \div \frac{3}{5}) \times \frac{4}{7}$

Answers

1. _____

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9. _____

10. _____



Solve each problem.

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

$$\frac{2}{3} + \frac{1}{6}$$

$$\frac{5}{6}$$

$$\frac{33}{42} - \frac{5}{6}$$

$$\frac{2}{42}$$

$$-\frac{2}{42}$$

$$2) \frac{9}{10} \div \frac{5}{6} + \frac{2}{3} \times \frac{9}{10}$$

$$\frac{27}{25} + \frac{2}{3} \times \frac{9}{10}$$

$$\frac{27}{25} + \frac{3}{5}$$

$$\frac{42}{25}$$

$$3) \frac{2}{3} - \frac{6}{8} + \frac{2}{5}$$

$$-\frac{2}{24} + \frac{2}{5}$$

$$\frac{38}{120}$$

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

$$\frac{1}{1} \times \frac{1}{5}$$

$$\frac{1}{5}$$

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

$$\frac{5}{6} - \frac{1}{4}$$

$$\frac{7}{12}$$

$$6) (\frac{8}{10} \times \frac{6}{9}) + \frac{2}{4} \div \frac{4}{9} + \frac{1}{2}$$

$$\frac{8}{15}$$

$$\frac{8}{15} + \frac{9}{8} + \frac{1}{2}$$

$$\frac{199}{120} + \frac{1}{2}$$

$$\frac{259}{120}$$

$$7) \frac{5}{7} - (\frac{1}{4} + \frac{1}{2}) \times \frac{2}{5}$$

$$\frac{3}{4}$$

$$\frac{5}{7} - \frac{3}{10}$$

$$\frac{29}{70}$$

$$8) \frac{3}{9} \times (\frac{1}{2} \div \frac{1}{2}) - \frac{3}{9}$$

$$\frac{1}{1}$$

$$\frac{1}{3} - \frac{3}{9}$$

$$\frac{0}{9}$$

$$9) \frac{1}{7} \times \frac{4}{5} \times \frac{2}{3} + \frac{6}{7} \div \frac{3}{10}$$

$$\frac{4}{35} \times \frac{2}{3} + \frac{6}{7} \div \frac{3}{10}$$

$$\frac{8}{105} + \frac{6}{7} \div \frac{3}{10}$$

$$\frac{8}{105} + \frac{20}{7}$$

$$\frac{308}{105}$$

$$10) \frac{5}{8} - (\frac{8}{9} \div \frac{3}{5}) \times \frac{4}{7}$$

$$\frac{40}{27}$$

$$\frac{5}{8} - \frac{160}{189}$$

$$\frac{335}{1512}$$

Answers

1. $-\frac{2}{42}$
2. $\frac{42}{25}$
3. $\frac{38}{120}$
4. $\frac{1}{5}$
5. $\frac{7}{12}$
6. $\frac{259}{120}$
7. $\frac{29}{70}$
8. $\frac{0}{9}$
9. $\frac{308}{105}$
10. $-\frac{335}{1512}$



Solve each problem.

1) $\frac{1}{6} + \frac{2}{9} \div (\frac{5}{9} \times \frac{3}{4})$

2) $\frac{2}{3} \div \frac{6}{9} + \frac{2}{5} \times \frac{7}{8} \times \frac{1}{3}$

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

4) $\frac{1}{8} \times \frac{7}{9} - \frac{4}{7}$

5) $\frac{2}{5} - \frac{2}{3} \times \frac{3}{8}$

6) $\frac{5}{7} + \frac{4}{8} \div \frac{3}{7} \div \frac{1}{10}$

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

8) $(\frac{1}{2} - \frac{3}{5}) + \frac{4}{5} - \frac{7}{9} + \frac{3}{6}$

9) $\frac{3}{6} \times \frac{1}{3} - \frac{1}{10} \div \frac{1}{4} - \frac{4}{5}$

10) $\frac{1}{3} \div \frac{6}{7} + \frac{1}{2}$

Answers

1. _____

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3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

$$1) \frac{1}{6} + \frac{2}{9} \div \left(\frac{5}{9} \times \frac{3}{4} \right)$$

$$\frac{5}{12}$$

$$\frac{1}{6} + \frac{8}{15}$$

$$\frac{21}{30}$$

$$2) \frac{2}{3} \div \frac{6}{9} + \frac{2}{5} \times \frac{7}{8} \times \frac{1}{3}$$

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

$$\frac{1}{1} + \frac{7}{20} \times \frac{1}{3}$$

$$\frac{1}{1} + \frac{7}{60}$$

$$\frac{67}{60}$$

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

$$\frac{5}{6} + \frac{2}{3}$$

$$\frac{9}{6}$$

$$4) \frac{1}{8} \times \frac{7}{9} - \frac{4}{7}$$

$$\frac{7}{72} - \frac{4}{7}$$

$$-\frac{239}{504}$$

$$5) \frac{2}{5} - \frac{2}{3} \times \frac{3}{8}$$

$$\frac{2}{5} - \frac{1}{4}$$

$$\frac{3}{20}$$

$$6) \frac{5}{7} + \frac{4}{8} \div \frac{3}{7} \div \frac{1}{10}$$

$$\frac{5}{7} + \frac{7}{6} \div \frac{1}{10}$$

$$\frac{5}{7} + \frac{35}{3}$$

$$\frac{260}{21}$$

$$7) \frac{2}{4} \div \frac{3}{5} \div \frac{4}{9} - \frac{4}{9}$$

$$\frac{5}{6} \div \frac{4}{9} - \frac{4}{9}$$

$$\frac{15}{8} - \frac{4}{9}$$

$$\frac{103}{72}$$

$$8) \left(\frac{1}{2} - \frac{3}{5} \right) + \frac{4}{5} - \frac{7}{9} + \frac{3}{6}$$

$$-\frac{1}{10}$$

$$\frac{7}{10} - \frac{7}{9} + \frac{3}{6}$$

$$-\frac{7}{90} + \frac{3}{6}$$

$$\frac{38}{90}$$

$$9) \frac{3}{6} \times \frac{1}{3} - \frac{1}{10} \div \frac{1}{4} - \frac{4}{5}$$

$$\frac{1}{6} - \frac{1}{10} \div \frac{1}{4} - \frac{4}{5}$$

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

$$-\frac{7}{30} - \frac{4}{5}$$

$$-\frac{31}{30}$$

$$10) \frac{1}{3} \div \frac{6}{7} + \frac{1}{2}$$

$$\frac{7}{18} + \frac{1}{2}$$

$$\frac{16}{18}$$

Answers

1. $\frac{21}{30}$
2. $\frac{67}{60}$
3. $\frac{9}{6}$
4. $-\frac{239}{504}$
5. $\frac{3}{20}$
6. $\frac{260}{21}$
7. $\frac{103}{72}$
8. $\frac{38}{90}$
9. $-\frac{31}{30}$
10. $\frac{16}{18}$



Solve each problem.

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

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

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

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

5) $\frac{1}{2} \div \frac{8}{9} \times \frac{7}{10}$

6) $\frac{6}{7} \div (\frac{1}{3} \times \frac{9}{10} + \frac{2}{5}) - \frac{7}{8}$

7) $\frac{6}{8} \times \frac{2}{5} \div \frac{4}{5}$

8) $\frac{1}{3} \times \frac{4}{8} \div \frac{8}{10}$

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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

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

$$\frac{5}{4} - \frac{4}{6}$$

$$\frac{7}{12}$$

$$\frac{7}{12} - \frac{2}{5} - \frac{9}{7}$$

$$\frac{11}{60} - \frac{9}{7}$$

$$-\frac{463}{420}$$

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

$$\frac{1}{3} + \frac{1}{1}$$

$$\frac{4}{3}$$

$$3) \frac{1}{9} - \left(\frac{1}{3} - \frac{1}{2} - \frac{2}{9}\right) + \frac{5}{6}$$

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

$$-\frac{7}{18}$$

$$\frac{9}{18} + \frac{5}{6}$$

$$\frac{24}{18}$$

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

$$\frac{9}{10} + \frac{4}{6}$$

$$\frac{47}{30}$$

$$5) \frac{1}{2} \div \frac{8}{9} \times \frac{7}{10}$$

$$\frac{9}{16} \times \frac{7}{10}$$

$$\frac{63}{160}$$

$$6) \frac{6}{7} \div \left(\frac{1}{3} \times \frac{9}{10} + \frac{2}{5}\right) - \frac{7}{8}$$

$$\frac{3}{10} + \frac{2}{5}$$

$$\frac{7}{10}$$

$$\frac{60}{49} - \frac{7}{8}$$

$$\frac{137}{392}$$

$$7) \frac{6}{8} \times \frac{2}{5} \div \frac{4}{5}$$

$$\frac{3}{10} \div \frac{4}{5}$$

$$\frac{3}{8}$$

$$8) \frac{1}{3} \times \frac{4}{8} \div \frac{8}{10}$$

$$\frac{1}{6} \div \frac{8}{10}$$

$$\frac{5}{24}$$

$$9) \frac{5}{6} \times \frac{4}{5} - \left(\frac{2}{6} + \frac{4}{6}\right)$$

$$\frac{6}{6}$$

$$\frac{2}{3} - \frac{6}{6}$$

$$-\frac{2}{6}$$

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

$$\frac{3}{4} - \frac{4}{8} \div \frac{1}{2} \times \frac{3}{4}$$

$$\frac{3}{4} - \frac{1}{1} \times \frac{3}{4}$$

$$\frac{3}{4} - \frac{3}{4}$$

$$\frac{0}{4}$$

Answers

1. $-\frac{463}{420}$
2. $\frac{4}{3}$
3. $\frac{24}{18}$
4. $\frac{47}{30}$
5. $\frac{63}{160}$
6. $\frac{137}{392}$
7. $\frac{3}{8}$
8. $\frac{5}{24}$
9. $-\frac{2}{6}$
10. $\frac{0}{4}$



Solve each problem.

1) $\frac{1}{8} - \frac{2}{3} + \frac{2}{3} \times \frac{4}{6}$

2) $\frac{3}{5} - \frac{2}{7} \times (\frac{1}{7} - \frac{1}{3})$

3) $\frac{2}{3} \times \frac{1}{2} - \frac{4}{10}$

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

5) $\frac{2}{4} - \frac{6}{10} \times \frac{6}{8}$

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

7) $(\frac{6}{7} \div \frac{4}{9}) - \frac{7}{9} \div \frac{6}{7} \times \frac{1}{2}$

8) $(\frac{1}{3} \times \frac{3}{9} + \frac{4}{6}) - \frac{3}{5} - \frac{2}{8}$

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

10) $\frac{2}{4} + \frac{3}{9} \times \frac{4}{9} - \frac{2}{4}$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

$$1) \frac{1}{8} - \frac{2}{3} + \frac{2}{3} \times \frac{4}{6}$$

$$\frac{1}{8} - \frac{2}{3} + \frac{4}{9}$$

$$-\frac{13}{24} + \frac{4}{9}$$

$$-\frac{7}{72}$$

$$2) \frac{3}{5} - \frac{2}{7} \times (\frac{1}{7} - \frac{1}{3})$$

$$-\frac{4}{21}$$

$$\frac{3}{5} - \frac{8}{147}$$

$$\frac{481}{735}$$

$$3) \frac{2}{3} \times \frac{1}{2} - \frac{4}{10}$$

$$\frac{1}{3} - \frac{4}{10}$$

$$-\frac{2}{30}$$

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

$$\frac{22}{21}$$

$$\frac{11}{12} - \frac{1}{3}$$

$$\frac{7}{12}$$

$$5) \frac{2}{4} - \frac{6}{10} \times \frac{6}{8}$$

$$\frac{2}{4} - \frac{9}{20}$$

$$\frac{1}{20}$$

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

$$\frac{8}{15} + \frac{4}{7} - \frac{3}{5}$$

$$\frac{116}{105} - \frac{3}{5}$$

$$\frac{53}{105}$$

$$7) (\frac{6}{7} \div \frac{4}{9}) - \frac{7}{9} \div \frac{6}{7} \times \frac{1}{2}$$

$$\frac{27}{14} - \frac{49}{54} \times \frac{1}{2}$$

$$\frac{27}{14} - \frac{49}{108}$$

$$\frac{1115}{756}$$

$$8) (\frac{1}{3} \times \frac{3}{9} + \frac{4}{6}) - \frac{3}{5} - \frac{2}{8}$$

$$\frac{1}{9} + \frac{4}{6}$$

$$\frac{14}{18} - \frac{2}{8}$$

$$\frac{16}{90} - \frac{2}{8}$$

$$-\frac{26}{360}$$

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

$$\frac{1}{6} - \frac{9}{8} \div \frac{1}{9} + \frac{1}{2}$$

$$\frac{1}{6} - \frac{81}{8} + \frac{1}{2}$$

$$-\frac{239}{24} + \frac{1}{2}$$

$$-\frac{227}{24}$$

$$10) \frac{2}{4} + \frac{3}{9} \times \frac{4}{9} - \frac{2}{4}$$

$$\frac{2}{4} + \frac{4}{27} - \frac{2}{4}$$

$$\frac{70}{108} - \frac{2}{4}$$

$$\frac{16}{108}$$

Answers

1. $-\frac{7}{72}$

2. $\frac{481}{735}$

3. $-\frac{2}{30}$

4. $\frac{7}{12}$

5. $\frac{1}{20}$

6. $\frac{53}{105}$

7. $\frac{1115}{756}$

8. $-\frac{26}{360}$

9. $-\frac{227}{24}$

10. $\frac{16}{108}$



Solve each problem.

1) $\frac{5}{7} + \frac{8}{10} \div (\frac{2}{10} \div \frac{2}{3})$

2) $\frac{2}{4} \times \frac{2}{7} + (\frac{1}{7} + \frac{4}{8})$

3) $\frac{7}{10} - \frac{1}{10} + (\frac{4}{5} \div \frac{4}{8} + \frac{8}{10})$

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

5) $\frac{4}{5} + \frac{1}{5} - (\frac{2}{9} + \frac{1}{4} - \frac{7}{10})$

6) $\frac{2}{3} \times \frac{2}{8} \div \frac{7}{8}$

7) $(\frac{2}{6} \times \frac{5}{9} - \frac{2}{9}) + \frac{2}{5} + \frac{7}{10} \div \frac{1}{6}$

8) $\frac{1}{5} + \frac{3}{4} \times \frac{6}{8} - \frac{1}{7}$

9) $\frac{2}{3} + \frac{8}{10} - \frac{2}{8} \times \frac{4}{5}$

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

Answers

1. _____

2. _____

3. _____

4. _____

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7. _____

8. _____

9. _____

10. _____



Solve each problem.

$$1) \frac{5}{7} + \frac{8}{10} \div \left(\frac{2}{10} \div \frac{2}{3} \right)$$

$$\frac{3}{10}$$

$$\frac{5}{7} + \frac{8}{3}$$

$$\frac{71}{21}$$

$$2) \frac{2}{4} \times \frac{2}{7} + \left(\frac{1}{7} + \frac{4}{8} \right)$$

$$\frac{36}{56}$$

$$\frac{1}{7} + \frac{36}{56}$$

$$\frac{44}{56}$$

$$3) \frac{7}{10} - \frac{1}{10} + \left(\frac{4}{5} \div \frac{4}{8} + \frac{8}{10} \right)$$

$$\frac{8}{5} + \frac{8}{10}$$

$$\frac{24}{10}$$

$$\frac{6}{10} + \frac{24}{10}$$

$$\frac{30}{10}$$

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

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

$$\frac{3}{5} - \frac{2}{5} + \frac{1}{3}$$

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

$$\frac{8}{15}$$

$$5) \frac{4}{5} + \frac{1}{5} - \left(\frac{2}{9} + \frac{1}{4} - \frac{7}{10} \right)$$

$$\frac{17}{36} - \frac{7}{10}$$

$$- \frac{41}{180}$$

$$\frac{5}{5} - \frac{41}{180}$$

$$\frac{221}{180}$$

$$6) \frac{2}{3} \times \frac{2}{8} \div \frac{7}{8}$$

$$\frac{1}{6} \div \frac{7}{8}$$

$$\frac{4}{21}$$

$$7) \left(\frac{2}{6} \times \frac{5}{9} - \frac{2}{9} \right) + \frac{2}{5} + \frac{7}{10} \div \frac{1}{6}$$

$$\frac{5}{27} - \frac{2}{9}$$

$$- \frac{1}{27}$$

$$- \frac{1}{27} + \frac{2}{5} + \frac{21}{5}$$

$$\frac{49}{135} + \frac{21}{5}$$

$$\frac{616}{135}$$

$$8) \frac{1}{5} + \frac{3}{4} \times \frac{6}{8} - \frac{1}{7}$$

$$\frac{1}{5} + \frac{9}{16} - \frac{1}{7}$$

$$\frac{61}{80} - \frac{1}{7}$$

$$\frac{347}{560}$$

$$9) \frac{2}{3} + \frac{8}{10} - \frac{2}{8} \times \frac{4}{5}$$

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

$$\frac{44}{30} - \frac{1}{5}$$

$$\frac{38}{30}$$

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

$$\frac{20}{49} - \frac{2}{4}$$

$$- \frac{18}{196}$$

$$\frac{3}{5} - \frac{9}{49}$$

$$- \frac{192}{245}$$

Answers

1. $\frac{71}{21}$
2. $\frac{44}{56}$
3. $\frac{30}{10}$
4. $\frac{8}{15}$
5. $\frac{221}{180}$
6. $\frac{4}{21}$
7. $\frac{616}{135}$
8. $\frac{347}{560}$
9. $\frac{38}{30}$
10. $-\frac{192}{245}$



Solve each problem.

1) $\frac{1}{4} \times \frac{1}{3} - (\frac{1}{5} \times \frac{9}{10})$

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

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

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

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

6) $\frac{1}{5} \times \frac{1}{6} + \frac{1}{9}$

7) $\frac{3}{4} + (\frac{2}{9} - \frac{2}{5}) - \frac{3}{6}$

8) $\frac{2}{6} + \frac{6}{10} \times \frac{2}{8} - \frac{2}{5} - \frac{2}{8}$

9) $\frac{2}{8} \div \frac{5}{9} \times \frac{1}{2} - \frac{3}{9} + \frac{1}{6}$

10) $\frac{2}{3} + (\frac{4}{6} + \frac{6}{8}) \div \frac{2}{3}$

Answers

1. _____

2. _____

3. _____

4. _____

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7. _____

8. _____

9. _____

10. _____



Solve each problem.

$$1) \frac{1}{4} \times \frac{1}{3} - (\frac{1}{5} \times \frac{9}{10})$$

$$\frac{9}{50}$$

$$\frac{1}{12} - \frac{9}{50}$$

$$-\frac{29}{300}$$

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

$$\frac{3}{5} - \frac{21}{8} + \frac{1}{6} \times \frac{3}{6}$$

$$\frac{3}{5} - \frac{21}{8} + \frac{1}{12}$$

$$-\frac{81}{40} + \frac{1}{12}$$

$$-\frac{233}{120}$$

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

$$\frac{2}{3} \div \frac{2}{4}$$

$$\frac{4}{3}$$

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

$$\frac{1}{2} - \frac{16}{25}$$

$$-\frac{7}{50}$$

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

$$\frac{2}{5} - \frac{4}{5}$$

$$-\frac{2}{5}$$

$$\frac{21}{10} \times -\frac{2}{5}$$

$$-\frac{21}{25}$$

$$6) \frac{1}{5} \times \frac{1}{6} + \frac{1}{9}$$

$$\frac{1}{30} + \frac{1}{9}$$

$$\frac{13}{90}$$

$$7) \frac{3}{4} + (\frac{2}{9} - \frac{2}{5}) - \frac{3}{6}$$

$$\frac{8}{45}$$

$$\frac{103}{180} - \frac{3}{6}$$

$$\frac{13}{180}$$

$$8) \frac{2}{6} + \frac{6}{10} \times \frac{2}{8} - \frac{2}{5} - \frac{2}{8}$$

$$\frac{2}{6} + \frac{3}{20} - \frac{2}{5} - \frac{2}{8}$$

$$\frac{29}{60} - \frac{2}{5} - \frac{2}{8}$$

$$\frac{5}{60} - \frac{2}{8}$$

$$\frac{20}{120} - \frac{2}{8}$$

$$-\frac{1}{120}$$

$$9) \frac{2}{8} \div \frac{5}{9} \times \frac{1}{2} - \frac{3}{9} + \frac{1}{6}$$

$$\frac{9}{20} \times \frac{1}{2} - \frac{3}{9} + \frac{1}{6}$$

$$\frac{9}{40} - \frac{3}{9} + \frac{1}{6}$$

$$-\frac{39}{360} + \frac{1}{6}$$

$$\frac{21}{360}$$

$$10) \frac{2}{3} + (\frac{4}{6} + \frac{6}{8}) \div \frac{2}{3}$$

$$\frac{34}{24}$$

$$\frac{2}{3} + \frac{17}{8}$$

$$\frac{67}{24}$$

Answers

1. $-\frac{29}{300}$
2. $-\frac{233}{120}$
3. $\frac{4}{3}$
4. $-\frac{7}{50}$
5. $-\frac{21}{25}$
6. $\frac{13}{90}$
7. $\frac{13}{180}$
8. $-\frac{20}{120}$
9. $\frac{21}{360}$
10. $\frac{67}{24}$



Solve each problem.

1) $\frac{5}{8} - \frac{2}{6} + \frac{8}{9}$

2) $(\frac{1}{3} \div \frac{1}{4}) + \frac{1}{6} \times \frac{9}{10} + \frac{3}{8} \div \frac{4}{8}$

3) $\frac{8}{10} \times \frac{3}{4} \times \frac{1}{2} \div \frac{1}{2}$

4) $\frac{4}{9} \times \frac{3}{8} + \frac{1}{6}$

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

6) $\frac{6}{7} \times \frac{8}{9} - \frac{2}{10} \times \frac{5}{8}$

7) $\frac{5}{8} - \frac{5}{6} + \frac{2}{4}$

8) $\frac{1}{5} \div \frac{1}{2} \times \frac{3}{10} \times \frac{2}{3}$

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

10) $\frac{3}{7} + (\frac{2}{6} + \frac{8}{9}) - \frac{1}{2}$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

$$1) \frac{5}{8} - \frac{2}{6} + \frac{8}{9}$$

$$\frac{7}{24} + \frac{8}{9}$$

$$\frac{85}{72}$$

$$2) (\frac{1}{3} \div \frac{1}{4}) + \frac{1}{6} \times \frac{9}{10} + \frac{3}{8} \div \frac{4}{8}$$

$$\frac{4}{3} + \frac{3}{20} + \frac{3}{8} \div \frac{4}{8}$$

$$\frac{4}{3} + \frac{3}{20} + \frac{3}{4}$$

$$\frac{89}{60} + \frac{3}{4}$$

$$\frac{134}{60}$$

$$3) \frac{8}{10} \times \frac{3}{4} \times \frac{1}{2} \div \frac{1}{2}$$

$$\frac{3}{5} \times \frac{1}{2} \div \frac{1}{2}$$

$$\frac{3}{10} \div \frac{1}{2}$$

$$\frac{3}{5}$$

$$4) \frac{4}{9} \times \frac{3}{8} + \frac{1}{6}$$

$$\frac{1}{6} + \frac{1}{6}$$

$$\frac{2}{6}$$

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

$$\frac{2}{3} + \frac{12}{7} \div \frac{1}{4} \times \frac{2}{3}$$

$$\frac{2}{3} + \frac{48}{7} \times \frac{2}{3}$$

$$\frac{2}{3} + \frac{32}{7}$$

$$\frac{110}{21}$$

$$6) \frac{6}{7} \times \frac{8}{9} - \frac{2}{10} \times \frac{5}{8}$$

$$\frac{16}{21} - \frac{2}{10} \times \frac{5}{8}$$

$$\frac{16}{21} - \frac{1}{8}$$

$$\frac{107}{168}$$

$$7) \frac{5}{8} - \frac{5}{6} + \frac{2}{4}$$

$$-\frac{5}{24} + \frac{2}{4}$$

$$\frac{7}{24}$$

$$8) \frac{1}{5} \div \frac{1}{2} \times \frac{3}{10} \times \frac{2}{3}$$

$$\frac{2}{5} \times \frac{3}{10} \times \frac{2}{3}$$

$$\frac{3}{25} \times \frac{2}{3}$$

$$\frac{2}{25}$$

$$9) (\frac{1}{6} - \frac{1}{6} \div \frac{2}{6}) + \frac{3}{6} + \frac{6}{8} \times \frac{4}{6} - \frac{1}{2}$$

$$\frac{1}{6} - \frac{1}{2}$$

$$-\frac{2}{6}$$

$$-\frac{2}{6} + \frac{3}{6} + \frac{1}{2} - \frac{1}{2}$$

$$\frac{1}{6} + \frac{1}{2} - \frac{1}{2}$$

$$\frac{4}{6} - \frac{1}{2}$$

$$\frac{1}{6}$$

$$10) \frac{3}{7} + (\frac{2}{6} + \frac{8}{9}) - \frac{1}{2}$$

$$\frac{22}{18}$$

$$\frac{208}{126} - \frac{1}{2}$$

$$\frac{145}{126}$$

Answers

1. $\frac{85}{72}$
2. $\frac{134}{60}$
3. $\frac{3}{5}$
4. $\frac{2}{6}$
5. $\frac{110}{21}$
6. $\frac{107}{168}$
7. $\frac{7}{24}$
8. $\frac{2}{25}$
9. $\frac{1}{6}$
10. $\frac{145}{126}$



Solve each problem.

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

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

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

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

5) $\frac{4}{9} \times (\frac{2}{3} \times \frac{3}{5}) - \frac{4}{7}$

6) $\frac{2}{3} - (\frac{4}{9} \div \frac{2}{6} \div \frac{4}{7}) \times \frac{2}{4}$

7) $\frac{4}{6} - \frac{2}{3} - \frac{2}{4} \div \frac{3}{5} \times \frac{3}{4}$

8) $\frac{3}{5} + \frac{6}{10} \times \frac{6}{8} \div \frac{1}{2}$

9) $\frac{2}{4} \times \frac{1}{4} \div \frac{2}{10}$

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

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

$$\frac{4}{6} + \frac{16}{7}$$

$$\frac{124}{42}$$

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

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

$$\frac{23}{15}$$

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

$$\frac{13}{10} - \frac{3}{14} - \frac{13}{10}$$

$$-\frac{106}{70}$$

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

$$\frac{3}{4} + \frac{9}{35} - \frac{1}{3}$$

$$\frac{141}{140} - \frac{1}{3}$$

$$\frac{283}{420}$$

$$5) \frac{4}{9} \times (\frac{2}{3} \times \frac{3}{5}) - \frac{4}{7}$$

$$\frac{8}{45} - \frac{4}{7}$$

$$-\frac{124}{315}$$

$$6) \frac{2}{3} - (\frac{4}{9} \div \frac{2}{6} \div \frac{4}{7}) \times \frac{2}{4}$$

$$\frac{4}{3} \div \frac{4}{7}$$

$$\frac{7}{3}$$

$$\frac{2}{3} - \frac{7}{6}$$

$$-\frac{3}{6}$$

$$7) \frac{4}{6} - \frac{2}{3} - \frac{2}{4} \div \frac{3}{5} \times \frac{3}{4}$$

$$\frac{4}{6} - \frac{2}{3} - \frac{5}{6} \times \frac{3}{4}$$

$$\frac{4}{6} - \frac{2}{3} - \frac{5}{8}$$

$$\frac{0}{6} - \frac{5}{8}$$

$$-\frac{15}{24}$$

$$8) \frac{3}{5} + \frac{6}{10} \times \frac{6}{8} \div \frac{1}{2}$$

$$\frac{3}{5} + \frac{9}{20} \div \frac{1}{2}$$

$$\frac{3}{5} + \frac{9}{10}$$

$$\frac{15}{10}$$

$$9) \frac{2}{4} \times \frac{1}{4} \div \frac{2}{10}$$

$$\frac{1}{8} \div \frac{2}{10}$$

$$\frac{5}{8}$$

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

$$\frac{13}{10} - \frac{4}{1} - \frac{13}{10}$$

$$\frac{27}{10}$$

Answers

1. $\frac{124}{42}$
2. $\frac{23}{15}$
3. $-\frac{106}{70}$
4. $\frac{283}{420}$
5. $-\frac{124}{315}$
6. $-\frac{3}{6}$
7. $-\frac{15}{24}$
8. $\frac{15}{10}$
9. $\frac{5}{8}$
10. $\frac{27}{10}$



Solve each problem.

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

2) $\frac{6}{10} \times \frac{1}{3} + \frac{5}{7}$

3) $\frac{2}{3} \div \frac{9}{10} \times \frac{2}{9}$

4) $(\frac{2}{8} - \frac{2}{5} \div \frac{1}{5}) \times \frac{6}{7} + \frac{3}{5} - \frac{4}{5} \times \frac{4}{9}$

5) $\frac{4}{5} \div \frac{5}{7} \times \frac{6}{10} + \frac{1}{2} + \frac{4}{8}$

6) $\frac{4}{6} + \frac{6}{10} - \frac{1}{3} - \frac{5}{8}$

7) $\frac{3}{7} + \frac{1}{2} \times \frac{9}{10} - \frac{5}{6}$

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

9) $\frac{3}{4} \div \frac{1}{8} \times \frac{1}{6} \times \frac{5}{10} \div \frac{2}{3}$

10) $\frac{2}{7} + (\frac{3}{9} \times \frac{9}{10}) \div \frac{3}{6}$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

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

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

$$\frac{7}{18} - \frac{2}{3}$$

$$-\frac{5}{18}$$

$$2) \frac{6}{10} \times \frac{1}{3} + \frac{5}{7}$$

$$\frac{1}{5} + \frac{5}{7}$$

$$\frac{32}{35}$$

$$3) \frac{2}{3} \div \frac{9}{10} \times \frac{2}{9}$$

$$\frac{20}{27} \times \frac{2}{9}$$

$$\frac{40}{243}$$

$$4) (\frac{2}{8} - \frac{2}{5} \div \frac{1}{5}) \times \frac{6}{7} + \frac{3}{5} - \frac{4}{5} \times \frac{4}{9}$$

$$\frac{2}{8} - \frac{2}{1}$$

$$-\frac{14}{8}$$

$$-\frac{3}{2} + \frac{3}{5} - \frac{4}{5} \times \frac{4}{9}$$

$$-\frac{3}{2} + \frac{3}{5} - \frac{16}{45}$$

$$-\frac{9}{10} - \frac{16}{45}$$

$$-\frac{113}{90}$$

$$5) \frac{4}{5} \div \frac{5}{7} \times \frac{6}{10} + \frac{1}{2} + \frac{4}{8}$$

$$\frac{28}{25} \times \frac{6}{10} + \frac{1}{2} + \frac{4}{8}$$

$$\frac{84}{125} + \frac{1}{2} + \frac{4}{8}$$

$$\frac{293}{250} + \frac{4}{8}$$

$$\frac{1672}{1000}$$

$$6) \frac{4}{6} + \frac{6}{10} - \frac{1}{3} - \frac{5}{8}$$

$$\frac{38}{30} - \frac{1}{3} - \frac{5}{8}$$

$$\frac{28}{30} - \frac{5}{8}$$

$$\frac{37}{120}$$

$$7) \frac{3}{7} + \frac{1}{2} \times \frac{9}{10} - \frac{5}{6}$$

$$\frac{3}{7} + \frac{9}{20} - \frac{5}{6}$$

$$\frac{123}{140} - \frac{5}{6}$$

$$\frac{19}{420}$$

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

$$\frac{1}{3} + \frac{16}{9}$$

$$\frac{19}{9}$$

$$9) \frac{3}{4} \div \frac{1}{8} \times \frac{1}{6} \times \frac{5}{10} \div \frac{2}{3}$$

$$\frac{6}{1} \times \frac{1}{6} \times \frac{5}{10} \div \frac{2}{3}$$

$$\frac{1}{1} \times \frac{5}{10} \div \frac{2}{3}$$

$$\frac{1}{2} \div \frac{2}{3}$$

$$\frac{3}{4}$$

$$10) \frac{2}{7} + (\frac{3}{9} \times \frac{9}{10}) \div \frac{3}{6}$$

$$\frac{3}{10}$$

$$\frac{2}{7} + \frac{3}{5}$$

$$\frac{31}{35}$$

Answers

1. $-\frac{5}{18}$
2. $\frac{32}{35}$
3. $\frac{40}{243}$
4. $-\frac{113}{90}$
5. $\frac{1672}{1000}$
6. $\frac{37}{120}$
7. $\frac{19}{420}$
8. $\frac{19}{9}$
9. $\frac{3}{4}$
10. $\frac{31}{35}$



Solve each problem.

1) $\frac{2}{7} \div \frac{5}{7} + \frac{4}{10}$

2) $\frac{4}{8} - \frac{1}{3} \times \frac{1}{4}$

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

4) $\frac{2}{4} + \frac{4}{7} \div \frac{1}{3}$

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

6) $\frac{1}{2} + \frac{4}{10} \div \frac{4}{9}$

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

8) $\frac{3}{4} \div (\frac{1}{2} + \frac{7}{10}) \div \frac{7}{9}$

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

10) $\frac{2}{3} + \frac{8}{9} \div \frac{7}{8}$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

$$1) \frac{2}{7} \div \frac{5}{7} + \frac{4}{10}$$

$$\frac{2}{5} + \frac{4}{10}$$

$$\frac{8}{10}$$

$$2) \frac{4}{8} - \frac{1}{3} \times \frac{1}{4}$$

$$\frac{4}{8} - \frac{1}{12}$$

$$\frac{10}{24}$$

$$3) \left(\frac{1}{4} \times \frac{3}{6}\right) - \frac{3}{5} - \frac{3}{4} + \frac{2}{3}$$

$$\frac{1}{8}$$

$$- \frac{19}{40} - \frac{3}{4} + \frac{2}{3}$$

$$- \frac{49}{40} + \frac{2}{3}$$

$$- \frac{67}{120}$$

$$4) \frac{2}{4} + \frac{4}{7} \div \frac{1}{3}$$

$$\frac{2}{4} + \frac{12}{7}$$

$$\frac{62}{28}$$

$$5) \frac{2}{4} + \left(\frac{4}{6} + \frac{2}{3}\right) \times \frac{2}{4}$$

$$\frac{8}{6}$$

$$\frac{2}{4} + \frac{2}{3}$$

$$\frac{14}{12}$$

$$6) \frac{1}{2} + \frac{4}{10} \div \frac{4}{9}$$

$$\frac{1}{2} + \frac{9}{10}$$

$$\frac{14}{10}$$

$$7) \frac{3}{7} \times \left(\frac{2}{8} \div \frac{1}{2} \div \frac{3}{5}\right) + \frac{3}{4}$$

$$\frac{1}{2} \div \frac{3}{5}$$

$$\frac{5}{6}$$

$$\frac{5}{14} + \frac{3}{4}$$

$$\frac{31}{28}$$

$$8) \frac{3}{4} \div \left(\frac{1}{2} + \frac{7}{10}\right) \div \frac{7}{9}$$

$$\frac{12}{10}$$

$$\frac{5}{8} \div \frac{7}{9}$$

$$\frac{45}{56}$$

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

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

$$\frac{3}{7} + \frac{5}{16}$$

$$\frac{83}{112}$$

$$10) \frac{2}{3} + \frac{8}{9} \div \frac{7}{8}$$

$$\frac{2}{3} + \frac{64}{63}$$

$$\frac{106}{63}$$

Answers

1. $\frac{8}{10}$

2. $\frac{10}{24}$

3. $-\frac{67}{120}$

4. $\frac{62}{28}$

5. $\frac{14}{12}$

6. $\frac{14}{10}$

7. $\frac{31}{28}$

8. $\frac{45}{56}$

9. $\frac{83}{112}$

10. $\frac{106}{63}$