**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. _____

2. _____

3. _____

4. _____

5. _____

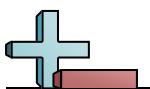
6. _____

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10. _____

**Solve each problem.**

1) $\frac{2}{7} + \frac{3}{6} - (\frac{2}{3} + \frac{2}{4} \times \frac{1}{3})$
 $\frac{2}{3} + \frac{1}{6}$
 $\frac{5}{6}$
 $\frac{33}{42} - \frac{5}{6}$
 $\frac{2}{42}$
 $\frac{-}{42}$

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) $(\frac{8}{10} \times \frac{6}{9}) + \frac{2}{4} \div \frac{4}{9} + \frac{1}{2}$
 $\frac{8}{15}$
 $\frac{8}{15} + \frac{9}{8} + \frac{1}{2}$
 $\frac{199}{120} + \frac{1}{2}$
 $\frac{259}{120}$

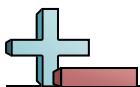
7) $\frac{5}{7} - (\frac{1}{4} + \frac{1}{2}) \times \frac{2}{5}$
 $\frac{3}{4}$
 $\frac{5}{7} - \frac{3}{10}$
 $\frac{29}{70}$

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**- $\frac{2}{42}$** **$\frac{42}{25}$** **$\frac{38}{120}$** **$\frac{1}{5}$** **$\frac{7}{12}$** **$\frac{259}{120}$** **$\frac{29}{70}$** **$\frac{0}{9}$** **$\frac{308}{105}$** **$\frac{335}{1512}$**

**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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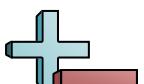
6. _____

7. _____

8. _____

9. _____

10. _____

**Solve each problem.**

1) $\frac{1}{6} + \frac{2}{9} \div (\frac{5}{9} \times \frac{3}{4})$
 $\frac{5}{12}$
 $\frac{1}{6} + \frac{8}{15}$
 $\frac{21}{30}$

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) $\frac{5}{7} + \frac{4}{8} \div \frac{3}{7} \div \frac{1}{10}$
 $\frac{5}{7} + \frac{7}{6} \div \frac{1}{10}$
 $\frac{5}{7} + \frac{35}{3}$
 $\frac{260}{21}$

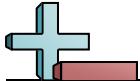
7) $\frac{2}{4} \div \frac{3}{5} \div \frac{4}{9} - \frac{4}{9}$
 $\frac{5}{6} \div \frac{4}{9} - \frac{4}{9}$
 $\frac{15}{8} - \frac{4}{9}$
 $\frac{103}{72}$

8) $(\frac{1}{2} - \frac{3}{5}) + \frac{4}{5} - \frac{7}{9} + \frac{3}{6}$
 $-\frac{1}{10}$
 $\frac{7}{10} - \frac{7}{9} + \frac{3}{6}$
 $-\frac{7}{90} + \frac{3}{6}$
 $\frac{38}{90}$

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**21/30****67/60****9/6****-239/504****3/20****260/21****103/72****38/90****-31/30****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

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Solve each problem.

1) $(\frac{1}{2} + \frac{3}{4} - \frac{4}{6}) - \frac{2}{5} - \frac{6}{7} \div \frac{2}{3}$
 $\frac{5}{4} - \frac{4}{6}$
 $\frac{7}{12}$
 $\frac{7}{12} - \frac{2}{5} - \frac{9}{7}$
 $\frac{11}{60} - \frac{9}{7}$
 $\frac{463}{420}$
 $\frac{463}{420}$

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

3) $\frac{1}{9} - (\frac{1}{3} - \frac{1}{2} - \frac{2}{9}) + \frac{5}{6}$
 $\frac{1}{6} - \frac{2}{9}$
 $\frac{7}{18}$
 $\frac{9}{18} + \frac{5}{6}$
 $\frac{24}{18}$

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) $\frac{6}{7} \div (\frac{1}{3} \times \frac{9}{10} + \frac{2}{5}) - \frac{7}{8}$
 $\frac{3}{10} + \frac{2}{5}$
 $\frac{7}{10}$
 $\frac{60}{49} - \frac{7}{8}$
 $\frac{137}{392}$

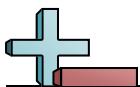
7) $\frac{6}{8} \times \frac{2}{5} \div \frac{4}{5}$
 $\frac{3}{10} \div \frac{4}{5}$
 $\frac{3}{8}$

8) $\frac{1}{3} \times \frac{4}{8} \div \frac{8}{10}$
 $\frac{1}{6} \div \frac{8}{10}$
 $\frac{5}{24}$

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

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**- $\frac{463}{420}$** **$\frac{4}{3}$** **$\frac{24}{18}$** **$\frac{47}{30}$** **$\frac{63}{160}$** **$\frac{137}{392}$** **$\frac{3}{8}$** **$\frac{5}{24}$** **$\frac{2}{6}$** **$\frac{0}{4}$**

**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. _____

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**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) $\frac{2}{6} \div \frac{5}{8} + \frac{4}{7} - \frac{3}{5}$
 $\frac{8}{15} + \frac{4}{7} - \frac{3}{5}$
 $\frac{116}{105} - \frac{3}{5}$
 $\frac{53}{105}$

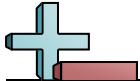
7) $(\frac{6}{7} \div \frac{4}{9}) - \frac{7}{9} \div \frac{6}{7} \times \frac{1}{2}$
 $\frac{27}{14}$
 $\frac{27}{14} - \frac{49}{54} \times \frac{1}{2}$
 $\frac{27}{14} - \frac{49}{108}$
 $\frac{1115}{756}$

8) $(\frac{1}{3} \times \frac{3}{9} + \frac{4}{6}) - \frac{3}{5} - \frac{2}{8}$
 $\frac{1}{9} + \frac{4}{6}$
 $\frac{14}{18}$
 $\frac{16}{90} - \frac{2}{8}$
 $\frac{26}{360}$

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**- $\frac{7}{72}$** **$\frac{481}{735}$** **- $\frac{2}{30}$** **$\frac{7}{12}$** **$\frac{1}{20}$** **$\frac{53}{105}$** **$\frac{1115}{756}$** **- $\frac{26}{360}$** **- $\frac{227}{24}$** **$\frac{16}{108}$**

**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

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3. _____

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5. _____

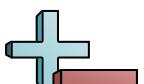
6. _____

7. _____

8. _____

9. _____

10. _____

**Solve each problem.**

1) $\frac{5}{7} + \frac{8}{10} \div (\frac{2}{10} \div \frac{2}{3})$
 $\frac{3}{10}$
 $\frac{5}{7} + \frac{8}{3}$
 $\frac{71}{21}$

2) $\frac{2}{4} \times \frac{2}{7} + (\frac{1}{7} + \frac{4}{8})$
 $\frac{36}{56}$
 $\frac{1}{7} + \frac{36}{56}$
 $\frac{44}{56}$

3) $\frac{7}{10} - \frac{1}{10} + (\frac{4}{5} \div \frac{4}{8} + \frac{8}{10})$
 $\frac{8}{5} + \frac{8}{10}$
 $\frac{24}{10}$
 $\frac{6}{10} + \frac{24}{10}$
 $\frac{30}{10}$

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) $\frac{4}{5} + \frac{1}{5} - (\frac{2}{9} + \frac{1}{4} - \frac{7}{10})$
 $\frac{17}{36} - \frac{7}{10}$
 $\frac{41}{180}$
 $\frac{5}{5} - \frac{41}{180}$
 $\frac{221}{180}$

6) $\frac{2}{3} \times \frac{2}{8} \div \frac{7}{8}$
 $\frac{1}{6} \div \frac{7}{8}$
 $\frac{4}{21}$

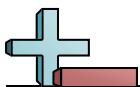
7) $(\frac{2}{6} \times \frac{5}{9} - \frac{2}{9}) + \frac{2}{5} + \frac{7}{10} \div \frac{1}{6}$
 $\frac{5}{27} - \frac{2}{9}$
 $\frac{1}{27}$
 $\frac{1}{27} + \frac{2}{5} + \frac{21}{5}$
 $\frac{49}{135} + \frac{21}{5}$
 $\frac{616}{135}$

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) $\frac{3}{5} - (\frac{5}{7} \times \frac{4}{7} - \frac{2}{4}) \div \frac{1}{2}$
 $\frac{20}{49} - \frac{2}{4}$
 $\frac{18}{196}$
 $\frac{3}{5} - \frac{9}{49}$
 $\frac{192}{245}$

Answers**71/21****44/56****30/10****8/15****221/180****4/21****616/135****347/560****38/30****- 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. _____

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10. _____



Solve each problem.

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

$$\begin{aligned} & \frac{9}{50} \\ & \frac{1}{12} - \frac{9}{50} \\ & \frac{29}{300} \end{aligned}$$

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

$$\begin{aligned} & \frac{3}{5} - \frac{21}{8} + \frac{1}{6} \times \frac{3}{6} \\ & \frac{3}{5} - \frac{21}{8} + \frac{1}{12} \\ & \frac{81}{40} + \frac{1}{12} \\ & \frac{233}{120} \end{aligned}$$

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

$$\begin{aligned} & \frac{2}{3} \div \frac{2}{4} \\ & \frac{4}{3} \end{aligned}$$

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

$$\begin{aligned} & \frac{1}{2} - \frac{16}{25} \\ & \frac{7}{50} \end{aligned}$$

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

$$\begin{aligned} & \frac{2}{5} - \frac{4}{5} \\ & \frac{2}{5} \\ & \frac{21}{10} \times -\frac{2}{5} \\ & \frac{21}{25} \end{aligned}$$

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

$$\begin{aligned} & \frac{1}{30} + \frac{1}{9} \\ & \frac{13}{90} \end{aligned}$$

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

$$\begin{aligned} & \frac{8}{45} \\ & \frac{103}{180} - \frac{3}{6} \\ & \frac{13}{180} \end{aligned}$$

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

$$\begin{aligned} & \frac{2}{6} + \frac{3}{20} - \frac{2}{5} - \frac{2}{8} \\ & \frac{29}{60} - \frac{2}{5} - \frac{2}{8} \\ & \frac{5}{60} - \frac{2}{8} \\ & \frac{20}{120} \end{aligned}$$

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

$$\begin{aligned} & \frac{9}{20} \times \frac{1}{2} - \frac{3}{9} + \frac{1}{6} \\ & \frac{9}{40} - \frac{3}{9} + \frac{1}{6} \\ & \frac{39}{360} + \frac{1}{6} \\ & \frac{21}{360} \end{aligned}$$

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

$$\begin{aligned} & \frac{34}{24} \\ & \frac{2}{3} + \frac{17}{8} \\ & \frac{67}{24} \end{aligned}$$

Answers

1. $\frac{29}{300}$

2. $\frac{233}{120}$

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

4. $\frac{7}{50}$

5. $\frac{21}{25}$

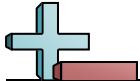
6. $\frac{13}{90}$

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

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. _____

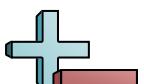
6. _____

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) $(\frac{1}{3} \div \frac{1}{4}) + \frac{1}{6} \times \frac{9}{10} + \frac{3}{8} \div \frac{4}{8}$
 $\frac{4}{3}$
 $\frac{4}{3} + \frac{3}{20} + \frac{3}{8} \div \frac{4}{8}$
 $\frac{4}{3} + \frac{3}{20} + \frac{3}{4}$
 $\frac{89}{60} + \frac{3}{4}$
 $\frac{134}{60}$

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) $\frac{6}{7} \times \frac{8}{9} - \frac{2}{10} \times \frac{5}{8}$
 $\frac{16}{21} - \frac{2}{10} \times \frac{5}{8}$
 $\frac{16}{21} - \frac{1}{8}$
 $\frac{107}{168}$

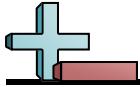
7) $\frac{5}{8} - \frac{5}{6} + \frac{2}{4}$
 $-\frac{5}{24} + \frac{2}{4}$
 $\frac{7}{24}$

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

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**85/72****134/60****3/5****2/6****110/21****107/168****7/24****2/25****1/6****145/126**

**Solve each problem.**

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

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

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

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

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

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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

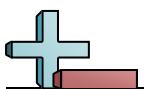
6. _____

7. _____

8. _____

9. _____

10. _____

**Solve each problem.**

1) $\frac{4}{6} + (\frac{6}{7} \times \frac{2}{3}) \div \frac{1}{4}$
 $\frac{4}{7}$
 $\frac{4}{6} + \frac{16}{7}$
 $\frac{124}{42}$

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) $\frac{4}{9} \times (\frac{2}{3} \times \frac{3}{5}) - \frac{4}{7}$
 $\frac{2}{5}$
 $\frac{8}{45} - \frac{4}{7}$
 $\frac{124}{315}$

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

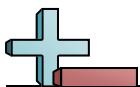
7) $\frac{4}{6} - \frac{2}{3} - \frac{2}{4} \div \frac{3}{5} \times \frac{3}{4}$
 $\frac{4}{6} - \frac{2}{3} - \frac{5}{6} \times \frac{3}{4}$
 $\frac{4}{6} - \frac{2}{3} - \frac{5}{8}$
 $\frac{0}{6} - \frac{5}{8}$
 $\frac{15}{24}$

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**124/42****23/15****- 106/70****283/420****- 124/315****3/6****- 15/24****15/10****5/8****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. _____

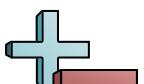
6. _____

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) $(\frac{2}{8} - \frac{2}{5} \div \frac{1}{5}) \times \frac{6}{7} + \frac{3}{5} - \frac{4}{5} \times \frac{4}{9}$
 $\frac{2}{8} - \frac{2}{1}$
 $\frac{14}{8}$
 $- \frac{2}{8}$
 $\frac{3}{2} + \frac{3}{5} - \frac{4}{5} \times \frac{4}{9}$
 $\frac{3}{2} + \frac{3}{5} - \frac{16}{45}$
 $\frac{9}{10} - \frac{16}{45}$
 $\frac{113}{90}$

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) $\frac{4}{6} + \frac{6}{10} - \frac{1}{3} - \frac{5}{8}$
 $\frac{38}{30} - \frac{1}{3} - \frac{5}{8}$
 $\frac{28}{30} - \frac{5}{8}$
 $\frac{37}{120}$

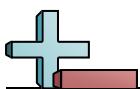
7) $\frac{3}{7} + \frac{1}{2} \times \frac{9}{10} - \frac{5}{6}$
 $\frac{3}{7} + \frac{9}{20} - \frac{5}{6}$
 $\frac{123}{140} - \frac{5}{6}$
 $\frac{19}{420}$

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 **$-\frac{5}{18}$** **$\frac{32}{35}$** **$\frac{40}{243}$** **$-\frac{113}{90}$** **$\frac{1672}{1000}$** **$\frac{37}{120}$** **$\frac{19}{420}$** **$\frac{19}{9}$** **$\frac{3}{4}$** **$\frac{31}{35}$**

**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. _____

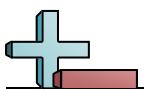
6. _____

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) $(\frac{1}{4} \times \frac{3}{6}) - \frac{3}{5} - \frac{3}{4} + \frac{2}{3}$
 $\frac{1}{8}$
 $\frac{19}{40} - \frac{3}{4} + \frac{2}{3}$
 $\frac{49}{40} + \frac{2}{3}$
 $\frac{67}{120}$

4) $\frac{2}{4} + \frac{4}{7} \div \frac{1}{3}$
 $\frac{2}{4} + \frac{12}{7}$
 $\frac{62}{28}$

5) $\frac{2}{4} + (\frac{4}{6} + \frac{2}{3}) \times \frac{2}{4}$
 $\frac{8}{6}$
 $\frac{2}{4} + \frac{2}{3}$
 $\frac{14}{12}$

6) $\frac{1}{2} + \frac{4}{10} \div \frac{4}{9}$
 $\frac{1}{2} + \frac{9}{10}$
 $\frac{14}{10}$

7) $\frac{3}{7} \times (\frac{2}{8} \div \frac{1}{2} \div \frac{3}{5}) + \frac{3}{4}$
 $\frac{1}{2} \div \frac{3}{5}$
 $\frac{5}{6}$
 $\frac{5}{14} + \frac{3}{4}$
 $\frac{31}{28}$

8) $\frac{3}{4} \div (\frac{1}{2} + \frac{7}{10}) \div \frac{7}{9}$
 $\frac{12}{10}$
 $\frac{5}{8} \div \frac{7}{9}$
 $\frac{45}{56}$

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**8**/
10**10**/
24**-**
67/
120**62**/
28**14**/
12**14**/
10**31**/
28**45**/
56**83**/
112**106**/
63