five fractions, order of operations with brackets

Name: _____ Date: _____ Score: _____

$(\frac{3}{2} - \frac{1}{3})^2 + \frac{1}{2}(\frac{1}{6} - (\frac{3}{2})^2) =$

$(\frac{1}{2} + \frac{1}{6})^2 - \frac{1}{6}(\frac{1}{3} - (\frac{3}{4})^2) =$

$(\frac{3}{2} + \frac{1}{2})^2 + \frac{2}{3}(\frac{2}{3} - (\frac{3}{2})^2) =$

$(\frac{2}{5} + \frac{1}{3})^2 + \frac{1}{2}(\frac{1}{3} + \frac{1}{6}) =$

$(\frac{1}{6} + \frac{3}{4})^2 + \frac{3}{4}(\frac{1}{4} - \frac{1}{4}) =$

$(\frac{1}{3} - \frac{3}{4})^2 + \frac{1}{6}(\frac{1}{6} - (\frac{1}{6})^2) =$

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

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

$(4 + \frac{1}{4})^2 - \frac{1}{3} - \frac{1}{4} \times 3^2 =$

$(\frac{1}{3} - \frac{1}{2})^2 + \frac{2}{3}(\frac{3}{4} + \frac{1}{3}) =$

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$(\frac{3}{2}-\frac{1}{3})^2+\frac{1}{2}(\frac{1}{6}-(\frac{3}{2})^2)=\frac{23}{72}$

$(\frac{1}{2}+\frac{1}{6})^2-\frac{1}{6}(\frac{1}{3}-(\frac{3}{4})^2)=\frac{139}{288}$

$(\frac{3}{2}+\frac{1}{2})^2+\frac{2}{3}(\frac{2}{3}-(\frac{3}{2})^2)=\frac{53}{18}=2\frac{17}{18}$

$(\frac{2}{5}+\frac{1}{3})^2+\frac{1}{2}(\frac{1}{3}+\frac{1}{6})=\frac{709}{900}$

$(\frac{1}{6}+\frac{3}{4})^2+\frac{3}{4}(\frac{1}{4}-\frac{1}{4})=\frac{121}{144}$

$(\frac{1}{3}-\frac{3}{4})^2+\frac{1}{6}(\frac{1}{6}-(\frac{1}{6})^2)=\frac{85}{432}$

$(\frac{1}{3}+\frac{1}{3})^2-\frac{1}{4}(\frac{1}{2}+\frac{3}{5})=\frac{61}{360}$

$(\frac{3}{4}-(\frac{1}{2})^2)\times\frac{1}{3}-(\frac{1}{2}+\frac{1}{5})^2=(-\frac{97}{300})$

$(4+\frac{1}{4})^2-\frac{1}{3}-\frac{1}{4}\times 3^2=\frac{743}{48}=15\frac{23}{48}$

$(\frac{1}{3}-\frac{1}{2})^2+\frac{2}{3}(\frac{3}{4}+\frac{1}{3})=\frac{3}{4}$