five fractions, order of operations with brackets

Name: _____ Date: _____ Score: _____

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

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

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

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

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

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

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

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

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

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

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$(\frac{3}{2}-\frac{2}{3})^2+\frac{1}{2}(\frac{3}{4}+\frac{1}{2})=\frac{95}{72}=1\frac{23}{72}$

$(2+\frac{1}{6})^2+\frac{1}{2}\times 2^2\times\frac{2}{5}=\frac{989}{180}=5\frac{89}{180}$

$(4-\frac{1}{3})^2+\frac{3}{5}-\frac{3}{2}+2^2=\frac{1489}{90}=16\frac{49}{90}$

$((\frac{1}{4})^2+\frac{1}{6})\times\frac{3}{5}+(\frac{2}{5}-\frac{2}{3})^2=\frac{751}{3600}$

$((\frac{1}{6})^2+\frac{3}{2})\times\frac{3}{4}+(\frac{2}{5}+\frac{2}{3})^2=\frac{8221}{3600}=2\frac{1021}{3600}$

$(\frac{1}{2}-\frac{1}{2})^2-\frac{2}{5}(\frac{1}{6}-(\frac{1}{2})^2)=\frac{1}{30}$

$((\frac{1}{4})^2+\frac{3}{2})\times\frac{1}{2}+(\frac{1}{3}-\frac{1}{2})^2=\frac{233}{288}$

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

$(\frac{1}{2}-(\frac{2}{3})^2)\times\frac{2}{5}+(\frac{1}{4}+\frac{1}{3})^2=\frac{29}{80}$

$(\frac{1}{2}+\frac{1}{2})^2+\frac{3}{4}(\frac{1}{5}+\frac{1}{2})=\frac{61}{40}=1\frac{21}{40}$