five fractions, order of operations with brackets

Name: _____ Date: _____ Score: _____

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

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

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

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

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

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

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

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

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

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

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$(3-\frac{3}{4})^2+\frac{2}{5}\times\frac{2}{3}\times 4^2=\frac{2239}{240}=9\frac{79}{240}$

$(\frac{1}{2}+\frac{1}{2})^2+\frac{3}{5}(\frac{2}{5}+\frac{1}{5})=\frac{34}{25}=1\frac{9}{25}$

$(\frac{1}{3}+\frac{1}{6})^2-\frac{3}{2}(\frac{1}{4}+(\frac{2}{3})^2)=(-\frac{19}{24})$

$(\frac{1}{3}-(\frac{1}{2})^2)\times\frac{1}{4}+(\frac{1}{3}+\frac{1}{5})^2=\frac{1099}{3600}$

$(2+\frac{3}{2})^2+\frac{2}{3}\times 3^2\times\frac{1}{2}=\frac{61}{4}=15\frac{1}{4}$

$(\frac{1}{2}+(\frac{1}{4})^2)\times\frac{1}{2}+(\frac{1}{3}-\frac{1}{2})^2=\frac{89}{288}$

$(\frac{1}{2}-\frac{1}{4})^2+\frac{2}{3}(\frac{2}{3}-(\frac{1}{4})^2)=\frac{67}{144}$

$((\frac{1}{2})^2+\frac{1}{3})\times\frac{3}{4}+(\frac{1}{2}+\frac{3}{2})^2=\frac{71}{16}=4\frac{7}{16}$

$(\frac{2}{5}-\frac{1}{2})^2+\frac{1}{2}(\frac{1}{4}+(\frac{1}{2})^2)=\frac{13}{50}$

$((\frac{1}{3})^2+\frac{3}{2})\times\frac{2}{3}-(\frac{1}{3}-\frac{2}{5})^2=\frac{722}{675}=1\frac{47}{675}$