five fractions, order of operations with brackets

Name: _____ Date: _____ Score: _____

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

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

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

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

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

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

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

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

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

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

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$(4-\frac{1}{4})^2-\frac{1}{4}+2^2\times\frac{1}{4}=\frac{237}{16}=14\frac{13}{16}$

$(\frac{1}{2}-\frac{3}{2})^2-\frac{1}{3}(\frac{2}{5}+(\frac{1}{2})^2)=\frac{47}{60}$

$(\frac{1}{6}+\frac{3}{5})^2+\frac{3}{4}(\frac{1}{2}-\frac{2}{3})=\frac{833}{1800}$

$(\frac{1}{4}-\frac{1}{2})^2+\frac{1}{2}(\frac{2}{3}-\frac{1}{6})=\frac{5}{16}$

$(\frac{1}{2}+\frac{3}{5})^2+\frac{1}{6}(\frac{3}{4}-\frac{1}{3})=\frac{2303}{1800}=1\frac{503}{1800}$

$(\frac{3}{5}-\frac{1}{2})^2+\frac{1}{2}(\frac{1}{3}-(\frac{2}{5})^2)=\frac{29}{300}$

$(\frac{3}{2}+\frac{1}{2})^2-\frac{2}{5}(\frac{2}{3}+(\frac{3}{2})^2)=\frac{17}{6}=2\frac{5}{6}$

$(\frac{1}{6}-\frac{1}{3})^2-\frac{1}{3}(\frac{1}{2}-\frac{3}{2})=\frac{13}{36}$

$((\frac{3}{2})^2+\frac{2}{3})\times\frac{3}{2}+(\frac{3}{2}-\frac{1}{6})^2=\frac{443}{72}=6\frac{11}{72}$

$(3-\frac{1}{5})^2+\frac{2}{5}\times\frac{3}{2}+2^2=\frac{311}{25}=12\frac{11}{25}$