fünf Brüche, Reihenfolge der Operationen mit Klammern

Name: _____ Datum: _____ Ergebnis: _____

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

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

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

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

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

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

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

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

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

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

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Name: _____ Datum: _____ Ergebnis: _____

$(\frac{2}{5}+\frac{1}{2})^2+\frac{1}{5}(\frac{1}{3}-\frac{1}{4})=\frac{62}{75}$

$(\frac{3}{4}-\frac{2}{3})^2+\frac{1}{3}(\frac{1}{2}-\frac{2}{3})=(-\frac{7}{144})$

$(\frac{1}{2}+\frac{1}{4})^2-\frac{1}{6}(\frac{1}{2}-\frac{3}{4})=\frac{29}{48}$

$((\frac{1}{3})^2+\frac{1}{3})\times\frac{1}{6}-(\frac{1}{5}-\frac{1}{2})^2=(-\frac{43}{2700})$

$(\frac{3}{4}+(\frac{3}{5})^2)\times\frac{3}{5}+(\frac{1}{2}+\frac{1}{6})^2=\frac{4997}{4500}=1\frac{497}{4500}$

$(5-\frac{3}{2})^2+\frac{1}{3}\times3^2\times\frac{3}{4}=\frac{29}{2}=14\frac{1}{2}$

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

$(\frac{3}{4}+(\frac{1}{3})^2)\times\frac{3}{4}-(\frac{1}{2}-\frac{3}{4})^2=\frac{7}{12}$

$(3+\frac{1}{2})^2+\frac{2}{5}\times2^2\times\frac{1}{3}=\frac{767}{60}=12\frac{47}{60}$

$(5-\frac{2}{3})^2-\frac{1}{2}-5^2+\frac{3}{4}=(-\frac{215}{36})=(-5\frac{35}{36})$