fünf Brüche, Reihenfolge der Operationen mit Klammern

Name: _____ Datum: _____ Ergebnis: _____

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

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

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

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

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

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

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

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

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

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

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$(4+\frac{1}{3})^2+\frac{3}{4}+\frac{1}{6}-2^2=\frac{565}{36}=15\frac{25}{36}$

$(\frac{1}{4}+(\frac{1}{3})^2)\times\frac{1}{6}-(\frac{1}{3}+\frac{1}{6})^2=(-\frac{41}{216})$

$((\frac{3}{5})^2+\frac{1}{2})\times\frac{3}{4}-(\frac{3}{5}+\frac{1}{2})^2=(-\frac{113}{200})$

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

$(2-\frac{1}{4})^2+\frac{1}{2}+5^2\times\frac{1}{2}=\frac{257}{16}=16\frac{1}{16}$

$((\frac{1}{6})^2+\frac{1}{3})\times\frac{1}{6}-(\frac{1}{2}+\frac{1}{2})^2=(-\frac{203}{216})$

$(\frac{3}{2}-(\frac{1}{6})^2)\times\frac{3}{2}+(\frac{3}{4}+\frac{3}{4})^2=\frac{107}{24}=4\frac{11}{24}$

$(\frac{1}{5}-(\frac{1}{2})^2)\times\frac{1}{2}+(\frac{1}{3}+\frac{1}{3})^2=\frac{151}{360}$

$(\frac{1}{3}-\frac{1}{4})^2-\frac{1}{3}(\frac{1}{5}-(\frac{1}{2})^2)=\frac{17}{720}$

$(\frac{1}{5}+\frac{1}{2})^2-\frac{3}{4}(\frac{1}{3}+(\frac{1}{3})^2)=\frac{47}{300}$