fünf Brüche, Reihenfolge der Operationen mit Klammern

Name: _____ Datum: _____ Ergebnis: _____

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

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

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

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

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

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

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

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

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

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

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Name: _____ Datum: _____ Ergebnis: _____

$(\frac{1}{3} - \frac{1}{2})^2 - \frac{1}{2}(\frac{1}{4} - \frac{1}{3}) = \frac{5}{72}$

$(\frac{2}{5} + (\frac{1}{4})^2) \times \frac{1}{2} + (\frac{1}{3} - \frac{1}{4})^2 = \frac{343}{1440}$

$(\frac{3}{4} - \frac{1}{2})^2 - \frac{1}{3}(\frac{1}{3} - (\frac{2}{3})^2) = \frac{43}{432}$

$(4 - \frac{1}{2})^2 - \frac{1}{3} \times \frac{1}{6} - 2^2 = \frac{295}{36} = 8\frac{7}{36}$

$(\frac{1}{5} + \frac{3}{4})^2 + \frac{2}{3}(\frac{1}{3} + (\frac{1}{3})^2) = \frac{12947}{10800} = 1\frac{2147}{10800}$

$(\frac{2}{5} - \frac{1}{4})^2 + \frac{1}{2}(\frac{3}{2} + (\frac{1}{3})^2) = \frac{2981}{3600}$

$(\frac{1}{5} + \frac{1}{2})^2 + \frac{2}{3}(\frac{1}{2} + (\frac{1}{4})^2) = \frac{173}{200}$

$(4 + \frac{1}{6})^2 - \frac{1}{2} + 4^2 - \frac{2}{5} = \frac{5843}{180} = 32\frac{83}{180}$

$(2 - \frac{1}{2})^2 + \frac{1}{6} \times \frac{3}{5} + 4^2 = \frac{367}{20} = 18\frac{7}{20}$

$(\frac{1}{2} - \frac{1}{4})^2 - \frac{1}{2}(\frac{1}{3} + (\frac{1}{4})^2) = (-\frac{13}{96})$