fünf Brüche, Reihenfolge der Operationen mit Klammern

Name: _____ Datum: _____ Ergebnis: _____

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

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

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

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

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

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

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

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

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

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

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$((\frac{1}{3})^2 - \frac{3}{2}) \times \frac{1}{2} - (\frac{1}{2} - \frac{3}{4})^2 = (-\frac{109}{144})$

$(\frac{1}{5} - (\frac{2}{3})^2) \times \frac{3}{5} - (\frac{1}{2} - \frac{1}{4})^2 = (-\frac{251}{1200})$

$(\frac{1}{3} + (\frac{1}{2})^2) \times \frac{1}{6} - (\frac{1}{5} + \frac{1}{6})^2 = (-\frac{67}{1800})$

$(\frac{1}{2} - \frac{1}{2})^2 + \frac{1}{5}(\frac{1}{3} - \frac{1}{6}) = \frac{1}{30}$

$((\frac{1}{6})^2 - \frac{1}{2}) \times \frac{1}{2} - (\frac{3}{2} + \frac{3}{4})^2 = (-\frac{763}{144}) = (-5\frac{43}{144})$

$(5 - \frac{1}{2})^2 - \frac{1}{4} - \frac{1}{2} \times 4^2 = 12$

$(3 + \frac{1}{3})^2 - \frac{1}{3} + \frac{1}{3} + 3^2 = \frac{181}{9} = 20\frac{1}{9}$

$(\frac{1}{2} - \frac{1}{3})^2 + \frac{3}{5}(\frac{1}{3} - (\frac{1}{2})^2) = \frac{7}{90}$

$((\frac{2}{3})^2 - \frac{2}{5}) \times \frac{1}{2} + (\frac{1}{3} - \frac{2}{3})^2 = \frac{2}{15}$

$(4 - \frac{1}{3})^2 - \frac{1}{5} + \frac{1}{3} + 2^2 = \frac{791}{45} = 17\frac{26}{45}$