five fractions, order of operations with brackets

Name: _____ Date: _____ Score: _____

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

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

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

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

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

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

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

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

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

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

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

$((\frac{1}{6})^2 - \frac{2}{5}) \times \frac{1}{3} + (\frac{1}{4} - \frac{3}{4})^2 = \frac{17}{135}$

$(4 + \frac{3}{2})^2 + \frac{1}{2} + \frac{1}{3} - 2^2 = \frac{325}{12} = 27\frac{1}{12}$

$(5 - \frac{1}{2})^2 - \frac{2}{5} \times \frac{3}{4} \times 2^2 = \frac{381}{20} = 19\frac{1}{20}$

$((\frac{1}{2})^2 - \frac{1}{2}) \times \frac{3}{4} - (\frac{2}{5} + \frac{1}{3})^2 = (-\frac{2611}{3600})$

$(\frac{1}{4} + (\frac{3}{2})^2) \times \frac{3}{5} - (\frac{3}{5} + \frac{3}{2})^2 = (-\frac{291}{100}) = (-2\frac{91}{100})$

$(\frac{2}{5} - \frac{1}{2})^2 + \frac{1}{2}(\frac{3}{4} + \frac{1}{2}) = \frac{127}{200}$

$(\frac{1}{3} + \frac{1}{6})^2 - \frac{1}{3}(\frac{1}{2} + (\frac{1}{6})^2) = \frac{2}{27}$

$(\frac{1}{2} + \frac{2}{3})^2 - \frac{1}{2}(\frac{1}{4} - (\frac{2}{5})^2) = \frac{2369}{1800} = 1\frac{569}{1800}$

$(4 - \frac{1}{4})^2 + \frac{1}{2} \times 4^2 + \frac{2}{5} = \frac{1797}{80} = 22\frac{37}{80}$