



fünf Brüche, Reihenfolge der Operationen mit Klammern

Name: _____

Datum: _____ Ergebnis: _____

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

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

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

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

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

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

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

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

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

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



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$$\left(\frac{3}{4} + \frac{3}{4}\right)^2 - \frac{3}{4}\left(\frac{3}{5} + \left(\frac{1}{2}\right)^2\right) = \frac{129}{80} = 1\frac{49}{80}$$

$$\left(\frac{3}{4} - \frac{1}{4}\right)^2 + \frac{3}{5}\left(\frac{1}{5} - \left(\frac{1}{6}\right)^2\right) = \frac{53}{150}$$

$$\left(\frac{1}{2} - \frac{1}{2}\right)^2 + \frac{1}{4}\left(\frac{3}{5} - \frac{2}{3}\right) = \left(-\frac{1}{60}\right)$$

$$\left(3 + \frac{1}{2}\right)^2 + \frac{2}{5} + \frac{2}{5} \times 2^2 = \frac{57}{4} = 14\frac{1}{4}$$

$$\left(\frac{1}{2} + \frac{2}{3}\right)^2 - \frac{3}{4}\left(\frac{3}{4} - \left(\frac{1}{5}\right)^2\right) = \frac{2983}{3600}$$

$$\left(4 - \frac{3}{4}\right)^2 - \frac{1}{3} - 2^2 + \frac{1}{4} = \frac{311}{48} = 6\frac{23}{48}$$

$$\left(\frac{1}{5} - \frac{1}{2}\right)^2 + \frac{1}{6}\left(\frac{3}{4} + \left(\frac{1}{3}\right)^2\right) = \frac{1261}{5400}$$

$$\left(\frac{3}{2} + \frac{2}{3}\right)^2 - \frac{1}{4}\left(\frac{3}{4} + \frac{2}{5}\right) = \frac{3173}{720} = 4\frac{293}{720}$$

$$\left(4 - \frac{2}{5}\right)^2 - \frac{1}{4} - \frac{1}{3} \times 4^2 = \frac{2213}{300} = 7\frac{113}{300}$$

$$\left(\frac{2}{5} - \left(\frac{2}{3}\right)^2\right) \times \frac{1}{3} + \left(\frac{1}{3} + \frac{1}{2}\right)^2 = \frac{367}{540}$$