



fünf Brüche, Reihenfolge der Operationen mit Klammern

Name: \_\_\_\_\_

Datum: \_\_\_\_\_ Ergebnis: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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



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$$\left(\frac{1}{2} - \frac{1}{6}\right)^2 + \frac{1}{6}\left(\frac{1}{2} - \left(\frac{3}{5}\right)^2\right) = \frac{121}{900}$$

$$\left(\frac{1}{3} - \left(\frac{3}{2}\right)^2\right) \times \frac{1}{3} + \left(\frac{1}{3} - \frac{1}{4}\right)^2 = \left(-\frac{91}{144}\right)$$

$$\left(\frac{3}{5} + \frac{2}{3}\right)^2 - \frac{1}{3}\left(\frac{1}{4} - \frac{1}{6}\right) = \frac{473}{300} = 1\frac{173}{300}$$

$$\left(5 + \frac{1}{2}\right)^2 - \frac{1}{2} + 5^2 + \frac{1}{2} = \frac{221}{4} = 55\frac{1}{4}$$

$$\left(\frac{1}{2} - \frac{1}{3}\right)^2 + \frac{1}{3}\left(\frac{1}{4} - \frac{1}{2}\right) = \left(-\frac{1}{18}\right)$$

$$\left(\left(\frac{3}{4}\right)^2 - \frac{1}{2}\right) \times \frac{1}{5} + \left(\frac{3}{2} + \frac{1}{6}\right)^2 = \frac{2009}{720} = 2\frac{569}{720}$$

$$\left(\frac{1}{2} - \frac{1}{3}\right)^2 - \frac{1}{4}\left(\frac{1}{5} - \left(\frac{1}{3}\right)^2\right) = \frac{1}{180}$$

$$\left(2 + \frac{1}{2}\right)^2 + \frac{1}{2} + 5^2 + \frac{2}{5} = \frac{643}{20} = 32\frac{3}{20}$$

$$\left(\left(\frac{2}{3}\right)^2 + \frac{1}{2}\right) \times \frac{3}{2} + \left(\frac{1}{2} + \frac{1}{2}\right)^2 = \frac{29}{12} = 2\frac{5}{12}$$

$$\left(2 - \frac{2}{5}\right)^2 - \frac{3}{4} \times \frac{1}{2} + 4^2 = \frac{3637}{200} = 18\frac{37}{200}$$