



fünf Brüche, Reihenfolge der Operationen mit Klammern

Name: _____

Datum: _____ Ergebnis: _____

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

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

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

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

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

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

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

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

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

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



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$$\left(\left(\frac{2}{5}\right)^2 - \frac{1}{4}\right) \times \frac{1}{2} + \left(\frac{3}{5} + \frac{1}{3}\right)^2 = \frac{1487}{1800}$$

$$\left(3 - \frac{3}{2}\right)^2 - \frac{1}{3} - \frac{2}{3} \times 4^2 = \left(-\frac{35}{4}\right) = \left(-8\frac{3}{4}\right)$$

$$\left(\frac{2}{5} + \frac{3}{4}\right)^2 - \frac{1}{6}\left(\frac{1}{2} + \frac{1}{2}\right) = \frac{1387}{1200} = 1\frac{187}{1200}$$

$$\left(2 + \frac{3}{5}\right)^2 - \frac{2}{5} + 4^2 - \frac{1}{3} = \frac{1652}{75} = 22\frac{2}{75}$$

$$\left(3 - \frac{3}{4}\right)^2 + \frac{1}{3} + \frac{2}{3} + 2^2 = \frac{161}{16} = 10\frac{1}{16}$$

$$\left(\left(\frac{1}{5}\right)^2 + \frac{3}{4}\right) \times \frac{1}{2} + \left(\frac{1}{2} + \frac{2}{3}\right)^2 = \frac{3161}{1800} = 1\frac{1361}{1800}$$

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

$$\left(\frac{3}{2} - \left(\frac{1}{3}\right)^2\right) \times \frac{1}{4} + \left(\frac{3}{5} - \frac{1}{2}\right)^2 = \frac{643}{1800}$$

$$\left(\frac{2}{5} - \frac{1}{3}\right)^2 - \frac{1}{2}\left(\frac{3}{4} + \frac{1}{3}\right) = \left(-\frac{967}{1800}\right)$$

$$\left(\left(\frac{2}{3}\right)^2 - \frac{1}{2}\right) \times \frac{3}{2} + \left(\frac{1}{6} + \frac{3}{4}\right)^2 = \frac{109}{144}$$