



fünf Brüche, Reihenfolge der Operationen mit Klammern

Name: _____

Datum: _____ Ergebnis: _____

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

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

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

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

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

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

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

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

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

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



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$$\left(\left(\frac{1}{2}\right)^2 + \frac{1}{2}\right) \times \frac{3}{2} + \left(\frac{3}{4} + \frac{1}{2}\right)^2 = \frac{43}{16} = 2\frac{11}{16}$$

$$\left(\frac{2}{5} + \frac{1}{6}\right)^2 - \frac{2}{3}\left(\frac{1}{6} - \frac{1}{2}\right) = \frac{163}{300}$$

$$\left(5 + \frac{3}{5}\right)^2 + \frac{3}{4} + 2^2 \times \frac{3}{5} = \frac{3451}{100} = 34\frac{51}{100}$$

$$\left(2 + \frac{3}{5}\right)^2 + \frac{2}{3} - 3^2 \times \frac{1}{2} = \frac{439}{150} = 2\frac{139}{150}$$

$$\left(\left(\frac{1}{5}\right)^2 - \frac{1}{5}\right) \times \frac{1}{3} - \left(\frac{1}{3} - \frac{3}{4}\right)^2 = \left(-\frac{817}{3600}\right)$$

$$\left(\frac{1}{3} + \left(\frac{3}{5}\right)^2\right) \times \frac{1}{3} + \left(\frac{1}{2} + \frac{3}{4}\right)^2 = \frac{6457}{3600} = 1\frac{2857}{3600}$$

$$\left(4 + \frac{2}{3}\right)^2 + \frac{1}{4} - \frac{1}{2} \times 3^2 = \frac{631}{36} = 17\frac{19}{36}$$

$$\left(\frac{3}{2} - \left(\frac{1}{6}\right)^2\right) \times \frac{2}{3} - \left(\frac{1}{4} + \frac{1}{3}\right)^2 = \frac{277}{432}$$

$$\left(5 + \frac{1}{5}\right)^2 + \frac{1}{4} \times 4^2 + \frac{3}{5} = \frac{791}{25} = 31\frac{16}{25}$$

$$\left(\frac{1}{4} - \left(\frac{1}{2}\right)^2\right) \times \frac{3}{4} + \left(\frac{3}{5} + \frac{1}{6}\right)^2 = \frac{529}{900}$$