



fünf Brüche, Reihenfolge der Operationen mit Klammern

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

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

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

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

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

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

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

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

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

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

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

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



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$$\left(\frac{3}{5} - \frac{1}{2}\right)^2 - \frac{1}{2}\left(\frac{1}{2} + \left(\frac{1}{2}\right)^2\right) = \left(-\frac{73}{200}\right)$$

$$\left(4 + \frac{1}{3}\right)^2 + \frac{2}{3} \times 5^2 + \frac{1}{3} = \frac{322}{9} = 35\frac{7}{9}$$

$$\left(\frac{1}{3} + \frac{3}{4}\right)^2 + \frac{1}{3}\left(\frac{1}{2} - \left(\frac{3}{5}\right)^2\right) = \frac{4393}{3600} = 1\frac{793}{3600}$$

$$\left(\frac{3}{5} + \frac{1}{2}\right)^2 - \frac{1}{2}\left(\frac{3}{2} - \left(\frac{1}{2}\right)^2\right) = \frac{117}{200}$$

$$\left(\frac{1}{5} + \frac{1}{3}\right)^2 - \frac{3}{4}\left(\frac{1}{4} - \left(\frac{1}{3}\right)^2\right) = \frac{649}{3600}$$

$$\left(5 - \frac{1}{5}\right)^2 - \frac{1}{6} \times 2^2 + \frac{1}{2} = \frac{3431}{150} = 22\frac{131}{150}$$

$$\left(\frac{3}{4} + \frac{1}{2}\right)^2 + \frac{1}{3}\left(\frac{1}{2} - \left(\frac{1}{2}\right)^2\right) = \frac{79}{48} = 1\frac{31}{48}$$

$$\left(5 + \frac{2}{3}\right)^2 + \frac{1}{6} \times 2^2 + \frac{3}{5} = \frac{1502}{45} = 33\frac{17}{45}$$

$$\left(\frac{2}{3} - \frac{1}{4}\right)^2 + \frac{3}{4}\left(\frac{1}{3} - \left(\frac{2}{3}\right)^2\right) = \frac{13}{144}$$

$$\left(\left(\frac{2}{5}\right)^2 - \frac{1}{6}\right) \times \frac{2}{3} + \left(\frac{1}{3} + \frac{1}{4}\right)^2 = \frac{403}{1200}$$