



fünf Brüche, Reihenfolge der Operationen mit Klammern

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

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

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

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

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

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

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

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

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

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

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

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



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$$(2 - \frac{3}{5})^2 + \frac{1}{4} \times \frac{2}{5} \times 4^2 = \frac{89}{25} = 3\frac{14}{25}$$

$$((\frac{1}{4})^2 + \frac{1}{2}) \times \frac{3}{2} - (\frac{1}{5} - \frac{3}{2})^2 = (-\frac{677}{800})$$

$$(2 - \frac{2}{3})^2 - \frac{3}{5} \times \frac{3}{4} - 4^2 = (-\frac{2641}{180}) = (-14\frac{121}{180})$$

$$((\frac{1}{5})^2 - \frac{2}{5}) \times \frac{1}{3} - (\frac{3}{5} + \frac{1}{3})^2 = (-\frac{223}{225})$$

$$((\frac{1}{3})^2 + \frac{1}{2}) \times \frac{1}{3} + (\frac{2}{5} + \frac{2}{5})^2 = \frac{1139}{1350}$$

$$(5 + \frac{1}{2})^2 - \frac{1}{2} - \frac{1}{2} \times 4^2 = \frac{87}{4} = 21\frac{3}{4}$$

$$(3 - \frac{1}{3})^2 - \frac{1}{3} + \frac{2}{3} \times 2^2 = \frac{85}{9} = 9\frac{4}{9}$$

$$(2 - \frac{3}{4})^2 + \frac{1}{5} + 3^2 \times \frac{2}{3} = \frac{621}{80} = 7\frac{61}{80}$$

$$(\frac{1}{2} + \frac{1}{4})^2 - \frac{3}{2}(\frac{2}{5} + \frac{1}{3}) = (-\frac{43}{80})$$

$$(5 - \frac{1}{6})^2 - \frac{2}{5} \times 5^2 - \frac{1}{5} = \frac{2369}{180} = 13\frac{29}{180}$$