



fünf Brüche, Reihenfolge der Operationen mit Klammern

Name: _____

Datum: _____ Ergebnis: _____

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

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

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

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

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

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

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

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

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

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



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$$(5 + \frac{1}{2})^2 - \frac{1}{6} \times \frac{1}{6} + 3^2 = \frac{353}{9} = 39\frac{2}{9}$$

$$(\frac{3}{4} + \frac{3}{2})^2 + \frac{1}{5}(\frac{1}{2} - \frac{1}{2}) = \frac{81}{16} = 5\frac{1}{16}$$

$$(\frac{1}{2} - \frac{1}{2})^2 - \frac{3}{4}(\frac{3}{4} - (\frac{1}{5})^2) = (-\frac{213}{400})$$

$$((\frac{3}{4})^2 + \frac{1}{2}) \times \frac{1}{3} - (\frac{1}{6} + \frac{1}{3})^2 = \frac{5}{48}$$

$$(5 - \frac{1}{3})^2 + \frac{2}{5} \times \frac{1}{2} - 4^2 = \frac{269}{45} = 5\frac{44}{45}$$

$$((\frac{1}{2})^2 - \frac{1}{2}) \times \frac{1}{3} - (\frac{1}{5} + \frac{1}{5})^2 = (-\frac{73}{300})$$

$$(5 + \frac{1}{5})^2 - \frac{1}{2} + 3^2 + \frac{1}{3} = \frac{5381}{150} = 35\frac{131}{150}$$

$$(5 + \frac{2}{3})^2 + \frac{1}{5} + 5^2 \times \frac{2}{5} = \frac{1904}{45} = 42\frac{14}{45}$$

$$(\frac{3}{2} - \frac{1}{2})^2 - \frac{1}{2}(\frac{1}{2} + (\frac{1}{2})^2) = \frac{5}{8}$$

$$(5 - \frac{1}{6})^2 - \frac{1}{2} + 5^2 - \frac{3}{2} = \frac{1669}{36} = 46\frac{13}{36}$$