



fünf Brüche, Reihenfolge der Operationen mit Klammern

Name: _____

Datum: _____ Ergebnis: _____

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

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

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

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

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

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

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

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

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

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



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$$\left(\frac{1}{4} - \frac{1}{2}\right)^2 + \frac{1}{2}\left(\frac{1}{3} - \frac{1}{5}\right) = \frac{31}{240}$$

$$\left(\left(\frac{2}{5}\right)^2 - \frac{1}{3}\right) \times \frac{1}{5} + \left(\frac{1}{2} + \frac{1}{6}\right)^2 = \frac{461}{1125}$$

$$\left(\frac{3}{4} + \left(\frac{3}{2}\right)^2\right) \times \frac{1}{2} - \left(\frac{1}{3} - \frac{1}{6}\right)^2 = \frac{53}{36} = 1\frac{17}{36}$$

$$\left(5 + \frac{3}{4}\right)^2 + \frac{2}{3} - \frac{1}{2} \times 2^2 = \frac{1523}{48} = 31\frac{35}{48}$$

$$\left(\frac{1}{4} - \frac{3}{5}\right)^2 - \frac{1}{2}\left(\frac{1}{3} + \left(\frac{1}{3}\right)^2\right) = \left(-\frac{359}{3600}\right)$$

$$\left(\left(\frac{2}{3}\right)^2 + \frac{3}{2}\right) \times \frac{1}{3} + \left(\frac{1}{4} + \frac{1}{2}\right)^2 = \frac{523}{432} = 1\frac{91}{432}$$

$$\left(\frac{1}{3} + \left(\frac{1}{2}\right)^2\right) \times \frac{3}{5} + \left(\frac{3}{4} + \frac{2}{5}\right)^2 = \frac{669}{400} = 1\frac{269}{400}$$

$$\left(\left(\frac{1}{4}\right)^2 + \frac{1}{3}\right) \times \frac{1}{5} - \left(\frac{1}{6} - \frac{1}{6}\right)^2 = \frac{19}{240}$$

$$\left(\frac{1}{3} - \frac{3}{2}\right)^2 - \frac{1}{2}\left(\frac{1}{4} + \frac{1}{2}\right) = \frac{71}{72}$$

$$\left(2 - \frac{3}{5}\right)^2 + \frac{1}{6} + 3^2 + \frac{1}{3} = \frac{573}{50} = 11\frac{23}{50}$$