



fünf Brüche, Reihenfolge der Operationen mit Klammern

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

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

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

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

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

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

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

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

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

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

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

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



fünf Brüche, Reihenfolge der Operationen mit Klammern

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

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

$$\left(\frac{1}{2} - \left(\frac{1}{3}\right)^2\right) \times \frac{3}{2} - \left(\frac{2}{3} + \frac{1}{5}\right)^2 = \left(-\frac{151}{900}\right)$$

$$\left(\frac{1}{5} + \frac{1}{6}\right)^2 - \frac{1}{2}\left(\frac{2}{5} + \frac{1}{2}\right) = \left(-\frac{71}{225}\right)$$

$$\left(2 - \frac{3}{5}\right)^2 + \frac{1}{2} - \frac{3}{5} \times 3^2 = \left(-\frac{147}{50}\right) = \left(-2\frac{47}{50}\right)$$

$$\left(\frac{3}{2} - \frac{2}{3}\right)^2 + \frac{3}{2}\left(\frac{1}{2} - \left(\frac{3}{2}\right)^2\right) = \left(-\frac{139}{72}\right) = \left(-1\frac{67}{72}\right)$$

$$\left(4 + \frac{3}{2}\right)^2 + \frac{1}{2} - 2^2 + \frac{1}{2} = \frac{109}{4} = 27\frac{1}{4}$$

$$\left(5 + \frac{1}{6}\right)^2 - \frac{1}{6} \times \frac{1}{2} - 2^2 = \frac{407}{18} = 22\frac{11}{18}$$

$$\left(\left(\frac{1}{2}\right)^2 - \frac{1}{2}\right) \times \frac{3}{5} + \left(\frac{3}{2} + \frac{3}{2}\right)^2 = \frac{177}{20} = 8\frac{17}{20}$$

$$\left(4 + \frac{1}{6}\right)^2 - \frac{1}{2} \times 3^2 \times \frac{2}{3} = \frac{517}{36} = 14\frac{13}{36}$$

$$\left(\frac{3}{5} - \frac{1}{2}\right)^2 - \frac{1}{2}\left(\frac{2}{3} + \frac{1}{4}\right) = \left(-\frac{269}{600}\right)$$

$$\left(4 - \frac{1}{6}\right)^2 + \frac{1}{2} - 4^2 \times \frac{1}{5} = \frac{2159}{180} = 11\frac{179}{180}$$