

OPERAȚII CU NUMERE RAȚIONALE

TEMA 2

CALCULAȚI

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

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

$$\frac{9}{4} - \left(-\frac{2}{3}\right)^{-2} = ?$$

$$\frac{-9}{8} : \left(-\frac{3}{2}\right)^3 = ?$$

$$(-0,75)^3 : \left(\frac{4}{3}\right)^{-3} = ?$$

$$[-1, (6)]^5 \cdot \frac{5}{3}^{-2} = ?$$

$$\left(-\frac{13}{8}\right)^4 + \left[-\left(\frac{13}{8}\right)^4\right] = ?$$

$$\left(-\frac{8}{5}\right)^4 : \left(\frac{4}{15}\right)^4 = ?$$

$$\left(-\frac{3}{4}\right)^3 \cdot \left(\frac{20}{9}\right)^3 = ?$$

$$\left(\frac{2}{3}\right)^{-3} \cdot (-8)^3 = ?$$

$$\left(-\frac{7}{3}\right)^6 : \left(\frac{7}{3}\right)^5 = ?$$

$$\left(-\frac{2}{9}\right)^3 : \left(\frac{2}{9}\right)^7 = ?$$

$$\left[-\left(\frac{3}{5}\right)^2\right]^5 : \left[-\left(\frac{3}{5}\right)^5\right]^2 = ?$$

$$\left(\frac{4}{9}\right)^3 \cdot \left(-\frac{8}{27}\right)^{-3} = ?$$

$$\left(-1\frac{3}{4}\right)^5 : \left(\frac{7}{4}\right)^4 - \left(-\frac{5}{14}\right)^2 : \left(-\frac{5}{14}\right) = ? \quad 1 - \left(\frac{2}{3}\right) : [0,2(9)]^2 = ?$$

$$\left[\left(\frac{3}{4}\right)^8 \cdot \left(\frac{14}{9}\right)^{14}\right] : \left[\left(-\frac{3}{4}\right)^6 \cdot \left(\frac{14}{9}\right)^{13}\right] = ?$$

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

$$\left[\left(\frac{3}{8}\right)^{15} + \left(\frac{3}{8}\right)^{13} + \left(\frac{3}{8}\right)^{14}\right] : \left[\left(\frac{3}{8}\right)^{12} + \left(\frac{3}{8}\right)^{11} + \left(\frac{3}{8}\right)^{10}\right] = ?$$

$$\left(-\frac{1}{2}\right)^6 : \left(\frac{1}{2}\right)^6 = ?$$

$$-\frac{13}{4} - \left(-\frac{15}{8}\right)^0 \cdot \left(-\frac{4}{5}\right)^{-1} = ?$$

$$\frac{2^3}{5^2} \cdot (-1.25) = ?$$

$$\frac{5^6}{6^5} : \left(-\frac{5^3}{6^7}\right) = ?$$

$$(1.44)^{-2} : (-1.2)^{-4} = ?$$

$$[-2^3 + 3^2]^2 - [2^3 - 3^2]^{-2} = ?$$

$$(2^3 \cdot 3^2)^5 : 6^{12} = ?$$

$$\left(\frac{3}{2 \cdot 5} + \frac{3}{5 \cdot 8} + \frac{3}{8 \cdot 11} + \dots + \frac{3}{92 \cdot 95}\right)^7 : \left(-\frac{93}{190}\right)^6 = ?$$