



## Numeri relativi – Espressioni con le potenze di frazioni

## Signed Numbers

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- $-\frac{25}{3} \cdot \left(\frac{2}{5} - 1\right)^2 \cdot \left(\frac{5}{3} - 2\right)^2 + \left(\frac{1}{2} - 1\right)^2 = -\frac{1}{12}$
  - $\left[(-2 + \frac{8}{9}) \div (-\frac{5}{3}) - \frac{1}{3} + (-\frac{2}{3})^3 \cdot (-\frac{9}{2})\right] \div \left[-\frac{1}{25} + \frac{3}{5} + \left(2 - \frac{6}{5}\right)^2\right] = \frac{1}{2}$
  - $\frac{1}{2} - \left(-\frac{1}{3}\right)^3 + \left\{ \left[ \left(-4 - \frac{4}{3}\right) \div \left(+\frac{16}{3}\right) + \frac{1}{5} \right]^2 - \left(-\frac{1}{9} - 1\right) \right\}^0 \cdot \left(\frac{1}{9} - \frac{7}{15} + \frac{1}{45}\right)^3 - \frac{2}{3} = -\frac{1}{6}$
  - $-\frac{16}{9} - \left\{ \left[ \left(-\frac{8}{21} - 1 + \frac{5}{7}\right)^2 + \left(\frac{19}{10} - \frac{7}{5}\right)^3 - \frac{29}{72} \right] \div \frac{12}{3} \right\} \cdot \left(-\frac{3}{2}\right) = -\frac{7}{4}$
  - $\left\{ -\left[ \left(-\frac{1}{2}\right)^2 \right]^2 - \left[ \frac{1}{2} \cdot \left(-\frac{1}{2}\right)^3 \div \left(\frac{1}{2}\right)^2 \right]^2 \right\} \cdot \left[ -3^2 \cdot \left(-\frac{4}{3}\right)^2 \cdot \left(\frac{3}{4}\right)^3 \right] = \frac{1}{54}$
  - $\left\{ \left[ \left(-\frac{1}{2}\right)^2 \right]^2 - \left[ \frac{1}{2} \cdot \left(-\frac{1}{2}\right)^3 \div \left(\frac{1}{2}\right)^2 \right]^2 \right\} \cdot \left[ -3^2 \cdot \left(-\frac{4}{3}\right)^2 \cdot \left(\frac{3}{4}\right)^3 \right] = \frac{1}{24}$
  - $\left[ \left(1 - \frac{1}{3}\right)^3 \cdot \left(\frac{3}{4}\right)^3 - \left(\frac{1}{2}\right)^3 + \left(\frac{1}{2}\right)^2 \right] - \left(\frac{3}{4} - 2\right) = \frac{3}{2}$
  - $\left[ \left(\frac{1}{2} - \frac{1}{5}\right)^3 + \left(1 + \frac{3}{4} - \frac{9}{10} - \frac{3}{20}\right)^3 - \left(-\frac{13}{100}\right)^3 \right] - \frac{1}{23} \cdot \left(3 + \frac{2}{3} - \frac{7}{4}\right) = \frac{1}{24}$
  - $\left[ \left(-\frac{3}{4}\right)^3 \right]^5 \div \left[ \left(-\frac{3}{4}\right)^3 \right]^4 \cdot \left\{ \left[ \left(-\frac{3}{4}\right)^2 \right]^3 \right\}^0 = \frac{27}{64}$
  - $0,5 - 8 \cdot (3) \cdot (0,4 - 1)^2 + (1,5)^3 : (1,5)^2 - (0,5 - 1)^2 = -\frac{3}{4}$
  - $\left[ \left(-\frac{1}{3}\right)^2 \div \left(-\frac{1}{6}\right)^2 \right] \cdot \left[ \left(-\frac{1}{2}\right)^4 \div \left(-\frac{1}{15} \div \frac{4}{15}\right) \right] : \left[ \left(-\frac{3}{2}\right)^2 + \left(-1 - \frac{1}{2}\right) \right] = -\frac{4}{3}$
  - $\left\{ \left[ -\frac{15}{3} + \frac{3}{8} + \left(-\frac{1}{2}\right)^3 + \frac{9}{2} \right] \div \left[ -\left(-\frac{2}{5}\right)^2 + \frac{3}{20} - \left(-\frac{1}{5}\right)^2 \right] \right\} - \frac{11}{2} = -\frac{1}{2}$