

## Espressioni con i numeri relativi e le frazioni

1.  $-\frac{1}{3} + \frac{2}{3} \cdot \frac{7}{2} =$  [+2]
2.  $\frac{1}{2} - 3 + \frac{3}{7} - \frac{5}{14} =$  [- $\frac{17}{7}$ ]
3.  $\frac{4}{7} \cdot \left(-\frac{14}{2}\right) + \frac{18}{6} =$  [-1]
4.  $-\frac{2}{3} + \left(+\frac{5}{11}\right) : \left(+\frac{15}{11}\right) =$  [- $\frac{1}{3}$ ]
5.  $1 + \frac{3}{8} - \left(+\frac{12}{5}\right) : \left(-\frac{6}{5}\right) =$  [+ $\frac{27}{8}$ ]
6.  $\frac{1}{81} \cdot \left(-\frac{27}{5}\right) + \frac{7}{15} - \left(-\frac{16}{15}\right) : 4 =$  [+ $\frac{2}{3}$ ]
7.  $\left(-\frac{3}{4}\right)^3 : \left(-\frac{3}{4}\right) + \frac{7}{8} - \left(-\frac{14}{64}\right) \cdot \left(-\frac{16}{7}\right) =$  [+ $\frac{15}{16}$ ]
8.  $-\frac{4}{11} + \left(-\frac{11}{25}\right)^0 + \left(-\frac{14}{11}\right) - \frac{7}{22} \cdot \left(-\frac{2}{14}\right) =$  [- $\frac{13}{22}$ ]
9.  $\left(-\frac{5}{24}\right) \cdot \left(-\frac{12}{7}\right) + \left(-\frac{4}{7}\right)^4 : \left(-\frac{4}{7}\right)^3 - \frac{5}{14} + 1 =$  [+ $\frac{3}{7}$ ]
10.  $\frac{9}{4} - \frac{28}{33} \cdot \left(-\frac{11}{7}\right) - \frac{12}{27} + \left(-\frac{45}{34}\right) \cdot \left(+\frac{17}{90}\right) - \left(-\frac{1}{100}\right)^0 =$  [+ $\frac{17}{9}$ ]
11.  $\left(-\frac{2}{15}\right)^3 \cdot \left(-\frac{2}{15}\right)^2 : \left(-\frac{2}{15}\right)^4 + \frac{8}{5} - \left(-\frac{55}{16}\right) \cdot \left(+\frac{8}{11}\right) - \frac{17}{5} - \frac{17}{30} =$  [0]
12.  $1 + \left[\left(-\frac{3}{5}\right)^2\right]^3 : \left(-\frac{3}{5}\right)^4 - \frac{9}{25} + \left(-\frac{1}{2}\right)^2 \cdot \left(-\frac{4}{3}\right)^2 - \left(-\frac{25}{24}\right)^2 : \left(+\frac{25}{12}\right)^2 - \frac{4}{9} =$  [+ $\frac{3}{4}$ ]
13.  $-\left(-\frac{12}{45}\right) \cdot \left(-\frac{50}{36}\right) + \left(-\frac{27}{4}\right)^{-1} + \left(-\frac{1}{3}\right) \cdot \left(-\frac{1}{3}\right)^2 + \left(-\frac{29}{81}\right) \cdot \left(-\frac{27}{87}\right) - \left[\left(-\frac{29}{45}\right)^3\right]^0 =$  [- $\frac{13}{9}$ ]
14.  $\left(-\frac{4}{5}\right)^4 : \left(-\frac{4}{5}\right)^6 - \left(-\frac{5}{4}\right)^2 + \left(-\frac{1}{2} + \frac{1}{3} - \frac{1}{4}\right) - \left(-\frac{5}{6}\right)^2 + \left(1 - \frac{1}{3}\right)^2 =$  [- $\frac{2}{3}$ ]
15.  $\left(1 - \frac{1}{2} - \frac{1}{3} - \frac{1}{4} + \frac{1}{12}\right)^{10} + \left[\left(-\frac{2}{3}\right)^2\right]^{-1} - \left(-\frac{4}{47}\right) \cdot \left(-\frac{94}{2}\right) + 36^0 - \left(-\frac{25}{28}\right) : \left(-\frac{15}{14}\right) + \left(-\frac{7}{6}\right)^2 =$  [- $\frac{2}{9}$ ]