

## **ESPRESSIONI**

$$\left[ \left( \frac{3}{4} + \frac{1}{8} \right) : \frac{21}{4} + \left( \frac{1}{3} \right)^2 \right] \times \left( \frac{1}{3} + \frac{4}{5} + \frac{4}{5} \times \frac{1}{12} \right) = \quad \text{ris. } \frac{1}{3}$$

$$\frac{5}{12} \times \frac{13}{10} \times \frac{16}{39} = \quad \frac{48}{35} : \frac{16}{21} : \frac{7}{6} = \quad \frac{7}{18} : \frac{2}{9} \times \frac{5}{21} : \frac{7}{6} = \quad \frac{17}{18} - \frac{1}{9} + \frac{2}{3} - \frac{5}{6} =$$

$$\frac{8}{5} - \left[ \left( 3 + \frac{1}{4} - \frac{5}{2} \right) \times \left( \frac{7}{9} : \frac{7}{3} + \frac{5}{3} \right) \right] : \left[ \frac{5}{6} \times 3 - \left( \frac{7}{8} \times \frac{4}{7} + \frac{15}{4} : 5 \right) \right] = \quad \text{ris} = \frac{2}{5}$$

$$\left[ \left( \frac{27}{45} - \frac{2}{5} \right) \times \frac{5}{4} + \left( \frac{24}{32} - \frac{3}{12} \times \frac{18}{8} \right) \times 2^2 \right] \times \left( 1 - \frac{4}{7} \right) + 3 = \quad \text{ris } \frac{24}{7}$$

$$\left[ \left( \frac{3}{4} - \frac{5}{4} : \frac{20}{3} \right) \times \frac{4}{10} - \left( \frac{10}{18} - \frac{7}{18} \times \frac{10}{14} \right) : \frac{20}{9} \right] \times \left( 3 - \frac{1}{7} \right) = \quad \text{ris } 1$$

$$\left\{ \left[ \left( \frac{1}{2} \right)^3 + \left( \frac{1}{2} + 1 \right) \times \frac{1}{8} \right] : \left( \frac{5}{8} - \frac{3}{16} \right) \right\} \times \left\{ \left[ \frac{1}{7} : \frac{9}{7} + \frac{1}{3} \right]^2 \times \left( \frac{7}{10} - \frac{1}{5} + 1 \right)^3 \right\} + \left( \frac{5}{9} + \frac{8}{7} \times \frac{21}{20} - \frac{4}{3} - \frac{2}{9} : \frac{5}{2} \right) =$$

Applica le proprietà delle potenze, quindi calcolane il loro valore.

**proprietà delle potenze con la stessa base.**

$$2^2 \times 2^5 : 2^4 =$$

$$3^3 \times 3^4 : 3^5 =$$

$$7^2 \times 7^3 \times 7 : 7^6 =$$

$$11^7 : 11^3 : 11^2 =$$

$$(2^4)^2 =$$

$$(5^2)^3 =$$

$$15^{11} : (15^3)^3 =$$

$$(4^5 : 4^2)^4 : 4^{10} = \dots$$

$$[6^5 \times 6^4 : (6^2)^3]^2 : (6^8 : 6^6)^2 = [\text{ris } 6^2 = \dots]$$

$$[(3^4 \times 3)^3]^5 : \{[(3^2)^3]^3\}^4 = [\text{ris } 3^3 = \dots]$$

$$\left\{ \left[ \left( \frac{9}{10} \right)^{10} : \left( \frac{9}{10} \right)^6 \right]^2 \times \left[ \left( \frac{9}{10} \right)^8 : \left( \frac{9}{10} \right)^3 \right] \right\} : \left[ \left( \frac{9}{10} \right)^7 \times \left( \frac{9}{10} \right)^4 \right] =$$