

N° 347

$$\sqrt{2 \cdot \left[\left(1 - \frac{2}{3}\right) \cdot \left(\frac{3}{7} - \frac{3}{14} + \frac{1}{2}\right) + 1 \cdot \left(\frac{3}{4} - \frac{1}{6}\right) - \frac{1}{7} \right] + \frac{8}{21}} =$$

$$\sqrt{2 \cdot \left[\left(\frac{3-2}{3}\right) \cdot \left(\frac{6-3+7}{14}\right) + 1 \cdot \left(\frac{9-2}{12}\right) - \frac{1}{7} \right] + \frac{8}{21}} =$$

$$\sqrt{2 \cdot \left[\frac{1}{3} \cdot \frac{10}{14} + 1 \cdot \frac{12}{12} - \frac{1}{7} \right] + \frac{8}{21}} =$$

$$\sqrt{2 \cdot \left[\frac{5}{21} + \frac{12}{7} - \frac{1}{7} \right] + \frac{8}{21}} =$$

$$\sqrt{2 \cdot \left[\frac{5+36-3}{21} \right] + \frac{8}{21}} =$$

$$\sqrt{2 \cdot \frac{38}{21} + \frac{8}{21}} = \sqrt{\frac{76}{21} + \frac{8}{21}} = \sqrt{\frac{84}{21}} = \sqrt{\frac{12}{3}} = \sqrt{4} = 2$$

N° 348

$$\sqrt{\left[\left(\frac{1}{2} - \frac{1}{3}\right)^3 \cdot \left(\frac{1}{2} - \frac{1}{3}\right)^2 \cdot \left(\frac{7}{8} - \frac{3}{4}\right) + \left(\frac{1}{4} + \frac{1}{6}\right) \right]^3 \cdot \left(\frac{3}{4} + 1\right)} =$$

USO LE PROPRIETÀ
DEI POTENZE!

$$= \sqrt{\left[\left(\frac{1}{2} - \frac{1}{3}\right) \cdot \left(\frac{7-6}{8}\right) + \left(\frac{3+2}{12}\right) \right]^3 \cdot \left(\frac{3+4}{4}\right)} =$$

$$= \sqrt{\left[\left(\frac{3-2}{6}\right) \cdot \frac{8}{8} + \frac{5}{12} \right]^3 \cdot \frac{4}{4}} =$$

$$= \sqrt{\left[\frac{1}{6} \cdot \frac{8}{1} + \frac{5}{12} \right]^3 \cdot \frac{4}{4}} =$$

$$= \sqrt{\left[\frac{4}{3} + \frac{5}{12} \right]^3 \cdot \frac{4}{4}} =$$

$$= \sqrt{\left[\frac{16+5}{12} \right]^3 \cdot \frac{4}{4}} =$$

$$= \sqrt{\left[\frac{21}{12} \right]^3 \cdot \frac{4}{4}} =$$

$$\sqrt{\left[\frac{7}{4} \right]^3 \cdot \frac{4}{4}} = \sqrt{\left[\frac{7}{4} \right]^3 \cdot \frac{7}{4}} = \sqrt{\left[\frac{7}{4} \right]^2} = \frac{7}{4}$$