ESERCIZI PAG. 46 e 47

N° 332

$$\sqrt{\left\{\left[\left(0,\bar{6}-0,25\right):\frac{5}{3}\right]^2+\frac{3}{16}\right\}:1,5+0,5\cdot 0,\bar{3}+\frac{26}{3}}=$$

$$=\sqrt{\left\{\left[\left(\frac{26}{9}-\frac{25}{100}\right)\cdot\frac{3}{5}\right]^2+\frac{3}{16}\right\}:\frac{15}{10}+\frac{5}{10}\cdot\frac{3}{9}+\frac{26}{3}}=$$

$$=\sqrt{\left\{\left[\left(\frac{8-3}{12}\right)\cdot\frac{3}{5}\right]^2+\frac{3}{16}\right\}\cdot\frac{10^2}{15}+\frac{1}{6}+\frac{26}{3}}=$$

$$=\sqrt{\left\{\left[\frac{5}{12}\cdot\frac{3}{5}\right]^2+\frac{3}{16}\right\}\cdot\frac{2}{3}+\frac{1}{6}+\frac{26}{3}}=$$

$$=\sqrt{\left\{\frac{1}{16}+\frac{3}{16}\right\}\cdot\frac{2}{3}+\frac{1}{6}+\frac{26}{3}}=$$

$$=\sqrt{\frac{4}{16}\cdot\frac{2}{3}+\frac{1}{6}+\frac{26}{3}}=$$

$$=\sqrt{\frac{2}{12}+\frac{1}{6}+\frac{26}{3}}=\sqrt{\frac{2+2+104}{12}}=\sqrt{\frac{108}{12}}=\sqrt{9}=3$$

N° 342

$$\sqrt{\frac{5}{14}\cdot\left(\frac{6}{3}-\frac{2}{5}\right)+\left(1+\frac{1}{7}\right)\cdot\left(\frac{9}{7}-\frac{3}{4}+\frac{3}{28}\right)}=$$

$$=\sqrt{\frac{5}{14}\cdot\left(\frac{30-6}{15}\right)+\left(\frac{7+1}{7}\right)\cdot\left(\frac{36-21+3}{28}\right)}=$$

$$=\sqrt{\frac{5}{14}\cdot\frac{24}{15}+\frac{8}{7}\cdot\frac{18}{28}}=$$

$$=\sqrt{\frac{4}{7}+\frac{36}{49}}=\sqrt{\frac{28+36}{49}}=\sqrt{\frac{64}{49}}=\frac{\sqrt{64}}{\sqrt{49}}=\frac{8}{7}$$

N° 345

$$\sqrt{\left(\frac{29}{36}-\frac{3}{4}\right)+\left(\frac{3}{4}-\frac{1}{6}\right)\cdot\left[\left(\frac{8}{21}-\frac{1}{3}\right)\cdot\frac{7}{5}+\frac{4}{15}\right]}=$$

$$=\sqrt{\left(\frac{29-27}{36}\right)+\left(\frac{9-2}{12}\right)\cdot\left[\left(\frac{8-7}{21}\right)\cdot\frac{7}{5}+\frac{4}{15}\right]}=$$

$$=\sqrt{\frac{2}{36}+\frac{7}{12}\cdot\left[\frac{1}{21}\cdot\frac{7}{5}+\frac{4}{15}\right]}=$$

$$=\sqrt{\frac{1}{18}+\frac{7}{12}\cdot\left[\frac{1}{15}+\frac{4}{15}\right]}=$$

$$=\sqrt{\frac{1}{18}+\frac{7}{18}\cdot\frac{5}{15}}=\sqrt{\frac{1}{18}+\frac{7}{36}}=\sqrt{\frac{2+7}{36}}=\sqrt{\frac{9}{36}}=$$

$$=\frac{\sqrt{9}}{\sqrt{36}}=\frac{3}{6}=\frac{1}{2}$$

$$\left[\sqrt{\frac{9}{36}}=\sqrt{\frac{1}{4}}=\frac{\sqrt{1}}{\sqrt{4}}=\frac{1}{2}\right]$$