$\sqrt[6]{\frac{25}{64}} = \sqrt[6]{\left(\frac{5}{8}\right)^2} = \sqrt[3]{\frac{5}{8}}$

$\sqrt[6]{\frac{2^3}{27}} = \sqrt[6]{\frac{2^3}{3^3}} = \sqrt[6]{\left(\frac{2}{3}\right)^3} = \sqrt{\frac{2}{3}}$

$\sqrt{48} \cdot \sqrt{3} = \sqrt{48 \cdot 3} = \sqrt{144} = 12$

$\sqrt[3]{3} \cdot \sqrt[3]{9} = \sqrt[3]{3 \cdot 9} = \sqrt[3]{27} = 3$

$\sqrt[4]{2} : \sqrt[4]{\frac{8}{5}} = \sqrt[4]{2 : \frac{8}{5}} = \sqrt[4]{2 \cdot \frac{5}{8_4}} = \sqrt[4]{\frac{5}{4}}$

$\sqrt{5} : \sqrt[4]{\frac{25}{81}} = \sqrt{5} \cdot \sqrt{\frac{5}{9}} = \sqrt{5 \cdot \frac{5}{9}} = \sqrt{5 \cdot \frac{9}{5}} = \sqrt{9} = 3$

$\sqrt[3]{2} \cdot \sqrt[12]{\frac{8}{9}} = \sqrt[12]{16} \cdot \sqrt[12]{\frac{8}{9}} = \sqrt[12]{16 \cdot \frac{8}{9}} = \sqrt[12]{16^2 \cdot \frac{9}{8_1}} = \sqrt[12]{18}$

$\sqrt{1+\frac{3}{5}} \cdot \sqrt{\frac{4}{5}} = \sqrt{\frac{5+3}{5}} \cdot \sqrt{\frac{4}{5}} = \sqrt{\frac{8}{5}} \sqrt{\frac{4}{5}} = \sqrt{\frac{8}{5} \cdot \frac{4}{5}} = \sqrt{\frac{8}{5} \cdot \frac{5}{4}} = \sqrt{2}$

$\sqrt{3} + \sqrt{2}$ non si possono sommare

$\sqrt{3} + \sqrt{3} = 2 \cdot \sqrt{3}$

$2 \cdot \sqrt{3} - \sqrt{2} + 3 \cdot \sqrt{3} + 2 \cdot \sqrt{2} = 5 \cdot \sqrt{3} + \sqrt{2}$