

Poenostavite izraz $(\sqrt[4]{x^{-3}y^5})^2 \cdot \frac{\sqrt[3]{x\sqrt{x^{-1}y^7}}}{\sqrt[3]{x^2y^2}}$ in napišite najmanjši naravni

števíli x in y , za kateri je vrednost izraza enaka 8.

$$(\sqrt[4]{x^{-3}y^5})^2 \cdot \frac{\sqrt[3]{x\sqrt{x^{-1}y^7}}}{\sqrt[3]{x^2y^2}} = 8$$

NEJASNO:

$$(\sqrt[4]{x^{-3 \cdot 2} y^{5 \cdot 2}}) \cdot \frac{\sqrt[3]{x\sqrt{x^{-1}y^7}}}{\sqrt[3]{x^2y^2}} = 8$$

~~$$(\sqrt[4]{x^{-3}y^5} \cdot \sqrt[3]{x^2y^2}) \cdot \sqrt[3]{x\sqrt{x^{-1}y^7}} = 8$$~~

~~$$(x^{-\frac{3}{2}} y^{\frac{5}{2}} \cdot x^{\frac{2}{3}} y^{\frac{2}{3}}) \cdot \sqrt[3]{x\sqrt{x^{-1}y^7}} = 8$$~~

~~$$(x^{-\frac{2}{3}} y^{\frac{15}{6}} \cdot x^{\frac{4}{3}} y^{\frac{4}{3}}) \cdot \sqrt[3]{x\sqrt{x^{-1}y^7}} = 8$$~~

~~$$x^{-\frac{5}{6}} y^{\frac{19}{6}} \cdot \sqrt[3]{x \cdot x^{-\frac{1}{2}} y^{\frac{7}{2}}} = 8$$~~

$$\frac{x^{-\frac{5}{6}} y^{\frac{19}{6}} \cdot x^{\frac{1}{2}} \cdot x^{-\frac{1}{2}} y^{\frac{7}{2}}}{\sqrt[3]{x^2y^2}} = 8$$

$$\frac{x^{-\frac{5}{6} + \frac{3}{6} - \frac{1,5}{6}} y^{\frac{19}{6} + \frac{10,5}{6}}}{\sqrt[3]{x^2y^2}} = 8$$

$$\frac{x^{-\frac{3,5}{6}} y^{\frac{29,5}{6}}}{\sqrt[3]{x^2y^2}} = 8$$

$$\sqrt[4]{x^{-3 \cdot 2} y^{5 \cdot 2}} = \sqrt[4]{x^{-6} y^{10}}$$

$$\sqrt[2]{x^{-3} y^5} = \sqrt[4]{x^{-6} y^{10}}$$

$$\sqrt[4]{x^{-6} y^{10}} = \sqrt[4]{x^{-6} y^{10}}$$

OD KOD SI DOBIL TO, KER NI PRAVILNO.