

Radicals – Fractional Notation

$$\sqrt[i]{b^e} = b^{e/i}$$

Rewrite the radical in fractional form.

1. $\sqrt[2]{5}$

2. $\sqrt{3}$

3. $\sqrt{75}$

4. $\sqrt[3]{2^2}$

5. $\sqrt[4]{2^2}$

Write in radical form

6. $6^{\frac{1}{2}}$

7. $x^{\frac{1}{2}}$

8. $9^{\frac{2}{3}}$

9. $10^{\frac{3}{2}}$

10. $A^{\frac{3}{2}} B^{\frac{1}{2}} C^{\frac{5}{2}}$

Simplify

$$\sqrt[3]{x} \sqrt[2]{x}$$