



Radical exponents worksheet

Simplify

1. $\sqrt{12}$	2. $\sqrt[3]{250}$
3. $\sqrt{2}\sqrt{12}$	4. $\sqrt[5]{486}$
5. $\sqrt{\frac{27}{16}}$	6. $\sqrt{18}$



7. $\sqrt[3]{500}$

8. $\sqrt[4]{162}$

9. $\frac{\sqrt{80}}{5}$

10. $\sqrt{14} \cdot \sqrt{32}$

11. $\sqrt[4]{24} \cdot \sqrt[4]{14}$

12. $\sqrt[5]{\frac{1}{2}} \cdot \sqrt[5]{\frac{1}{16}}$



Answers:

1. $2\sqrt{3}$

2. $5\sqrt[3]{2}$

3. $2\sqrt{6}$

4. $3\sqrt[5]{2}$

5. $\frac{3\sqrt{3}}{4}$

6. $3\sqrt{2}$

7. $5\sqrt[3]{2}$

8. $3\sqrt[4]{2}$

9. $\frac{4\sqrt{5}}{5}$

10. $8\sqrt{7}$

11. $2\sqrt[4]{21}$

12. $\frac{1}{2}$