

Get better at Math.  
Get better at  
everything.



Come experience the Cuemath methodology and ensure your child stays ahead at math this summer.



**Adaptive  
Platform**



**Interactive Visual  
Simulations**



**Personalized  
Attention**

For Grades 1 - 10



LIVE online classes  
by trained and  
certified experts.

Get the Cuemath advantage

**Book a FREE trial class**

## DIVIDING RADICALS, WORKSHEET II

Check whether the following expressions are correct or incorrect.

1.  $\frac{2}{\sqrt{2}} = \sqrt{2}$

2.  $\frac{\sqrt{16}}{\sqrt{25}} = \frac{4}{5}$

3.  $\frac{\sqrt[3]{10}}{\sqrt[3]{32}} = \frac{1}{3}$

4.  $\frac{4\sqrt{2}}{3\sqrt{5}} = \frac{4\sqrt{5}}{15}$

5.  $\frac{\sqrt{5}}{4+\sqrt{2}} = \frac{5\sqrt{3}-\sqrt{8}}{20}$

6. Say true or false.

- To simplify a radical, we multiply numerator and denominator by a radical that will remove the radical in the denominator.

Simplify the following radicals:

7.	$\frac{\sqrt{32}}{\sqrt{2}}$
8.	$\frac{\sqrt{x^2-1}}{\sqrt{x+1}}$
9.	$\frac{\sqrt[3]{24y^5x^2}}{\sqrt[3]{3y^2x^5}}$
10.	$\frac{\sqrt[4]{32z^6y^3}}{\sqrt[4]{2z^2y^{11}}}$

When you learn math  
in an interesting way,  
you never forget.



**25 Million**

Math classes &  
counting

**100K+**

Students learning  
Math the right way

**20+ Countries**

Present across USA, UK,  
Singapore, India, UAE & more.

## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

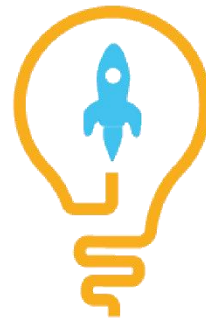
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

Get the Cuemath advantage

**Book a FREE trial class**



## ANSWERS

1.	Correct
2.	Correct
3.	Correct
4.	Incorrect
5.	Incorrect
6.	True
7.	$\frac{\sqrt{32}}{\sqrt{2}} = \sqrt{\frac{32}{2}} = \sqrt{16} = 4$
8.	$\frac{\sqrt{x^2-1}}{\sqrt{x+1}} = \sqrt{\frac{x^2-1}{x+1}}$ $\sqrt{\frac{(x-1)(x+1)}{x+1}} = \sqrt{x-1}$
9.	$\frac{\sqrt[3]{24y^5x^2}}{\sqrt[3]{3y^2x^5}} = \sqrt[3]{\frac{24}{3} \frac{y^5}{y^2} \frac{x^2}{x^5}}$ $\sqrt[3]{8 \frac{y^{5-2}}{x^{5-2}}} = \sqrt[3]{8 \frac{y^3}{x^3}} = 2 \frac{y}{x}$
10.	$\frac{\sqrt[4]{32z^6y^3}}{\sqrt[4]{2z^2y^{11}}} = \sqrt[4]{\frac{32z^6y^3}{2z^2y^{11}}}$ $= \sqrt[4]{\frac{32}{2} \frac{z^6}{z^2} \frac{y^3}{y^{11}}} = \sqrt[4]{16 \frac{z^4}{y^8}} = 2 \frac{z}{y^2}$