



Guaranteach
a better way to learn

Practice with Roots

Please choose the best answer to each of the following questions.

1. $\sqrt{14} + \sqrt{14} =$

$\sqrt{1}$

$\sqrt{14}$

$\sqrt{14^2}$

$\sqrt{28}$

$2\sqrt{14}$

2. $\sqrt{a} + \sqrt{a} + \sqrt{a} =$

$3\sqrt{a}$

a^2

$\sqrt{3a}$

\sqrt{a}

$\sqrt{a^3}$

3. $\sqrt[4]{12} \div \sqrt[4]{3} =$

2

$\sqrt{8}$

$$\sqrt[3]{4}$$
$$\sqrt[4]{4}$$

4. What two numbers is $\sqrt{55}$ between?

6 and 7

7 and 8

8 and 9

5. 16 is a perfect square.

True

False

6. $\sqrt[5]{7} \div \sqrt[3]{7} =$

$$7^{15}$$

$$7^{\frac{8}{15}}$$

$$\sqrt[3]{49}$$

$$\sqrt[5]{49}$$

7. Simplify $\sqrt{75}$.

$$5\sqrt{2}$$

$$5$$

$$25\sqrt{2}$$

$$5\sqrt{3}$$



8. Simplify $\sqrt[3]{48}$

$3\sqrt[3]{2}$

$2\sqrt[3]{6}$

$2\sqrt[3]{4}$

$2\sqrt[3]{8}$

9. Simplify $4\sqrt[3]{27}$

3

36

12

16

