



# SQUARES & SQUARE ROOT

## Worksheet 1



**IF YOU THINK EDUCATION IS EXPENSIVE, TRY IGNORANCE.**

1. Area of a square field is  $80\frac{244}{729}$ . What is the length of each side?

- A. 8.96m                      B. 8.16m                      C. 8.25m                      D. 8.85m
- 

2. What is the approximate value of  $(15.01)^2 \times \sqrt{730}$ ?

- A. 6125                      B. 6075                      C. 6200                      D. 6100
- 

3. If one member of a Pythagorean triplet is 2m, then the other two members are \_\_\_\_\_.

- A.  $m, m^2 + 1$                       B.  $m^2 + 1, m^2 - 1$                       C.  $m^2, m^2 - 1$                       D.  $m^2, m + 1$
- 

4. Find the value of  $\left(\sqrt[3]{\sqrt{0.000064}}\right)^5$ .

- A. 0.0032                      B. 0.00032                      C. 0.32                      D. None of these
- 

5. Which of the following is the greatest?

- A.  $\sqrt{7} + \sqrt{3}$                       B.  $\sqrt{6} + 2$                       C.  $\sqrt{5} + \sqrt{5}$                       D.  $\sqrt{2} + \sqrt{8}$
- 

6. Simplify:  $\frac{\sqrt{0.2304} + \sqrt{0.1764}}{\sqrt{0.2304} - \sqrt{0.1764}}$

- A. 11                      B. 12                      C. 15                      D. 20
- 

7. If  $\sqrt{0.04 \times 0.4 \times a} = 0.004 \times 0.4 \times \sqrt{b}$ , then  $\frac{a}{b}$  is equal

- A.  $16 \times 10^{-3}$                       B.  $16 \times 10^{-4}$                       C.  $16 \times 10^{-5}$                       D.  $16 \times 10^{-2}$
- 

8. If  $\sqrt[3]{\sqrt{x \times 0.000009}} = 0.3$ , then the value of x is

- A. 27                      B. 81                      C. 9                      D. 18
- 

9. A decimal number is multiplied by itself. If the product is 51.84, find the number.

- A. 7.2                      B. 8.2                      C. 8.1                      D. 6.4
- 

10. Find the value of  $\left(\sqrt{\frac{625}{4356}} + \sqrt{\frac{576}{1089}}\right) \times \left(\frac{66}{\sqrt{19600} + \sqrt{36}}\right)$ .

- A.  $\frac{7}{15}$                       B.  $\frac{9}{53}$                       C.  $\frac{1}{2}$                       D.  $\frac{79}{33}$
-



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# Answer Key

- 1.D
- 2.B
- 3.B
- 4.D
- 5.C
- 6.A
- 7.C
- 8.A
- 9.A
- 10.C



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