

SQUARES & SQUARE ROOT

Worksheet 1



IF YOU THINK EDUCATION IS EXPENSIVE, TRY IGNORANCE.

1234

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 $(15.01)^2 imes \sqrt{730}$?

- A. 6125
- B. 6225

- 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 $\left(\sqrt[3]{\sqrt{0.000064}}\right)$.

- 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

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. $16 imes 10^{-3}$ B. $16 imes 10^{-4}$
- C. 16×10^{-5}
- D. 16×10^{-2}

8. If $\sqrt[3]{x imes 0.000009} = 0.3$,

- 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 $\left(\sqrt{\frac{625}{4356}}+\sqrt{\frac{576}{1089}}\right) imes\left(\frac{66}{\sqrt{19600+\sqrt{36}}}\right)$.

A. $\frac{7}{15}$

B. $\frac{9}{53}$

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

D. $\frac{79}{33}$



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