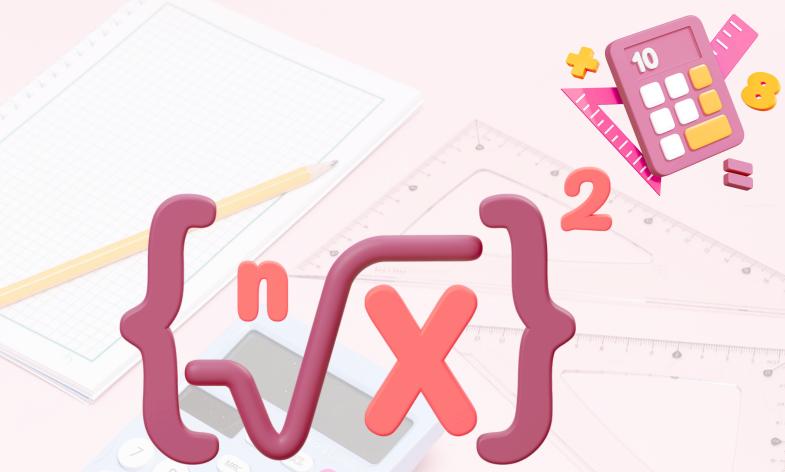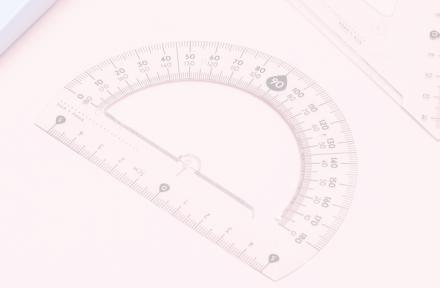# SQUARES & SQUARE ROOT

Worksheet 3

THERE ARE NO SHORTCUTS TO ANY PLACE WORTH GOING.

1. If $\sqrt{\left(56 + \sqrt{56 + \sqrt{56 + \ldots}}\right)} = x$ then the value of x is

A. 5   B. 4   C. 8   D. 2

2. A number is multiplied by half of itself and then 10 is added to the product. If the final result is 82, then find the original number.

A. 14   B. 13   C. 11   D. 12

3. The area of a square field is $20\dfrac{464}{49}$ sq. m. The length of each side of the field is _____.

A. 2.57   B. 5.42   C. 2.30   D. 1.92

4. The value of $\sqrt{3} \times \sqrt{3}$ is _____.

A. 3   B. +3   C. ± 3 D. 0

5. Square root of $\dfrac{0.144}{2.5} \times \dfrac{25}{0.36} \times \dfrac{2.89}{0.04}$ is _____.

A. 17   B. 11   C. 15   D. 14

6. Between which two consecutive whole numbers does $\sqrt{48}$ lie?

A. 9 and 10   B. 6 and 7   C. 10 and 11   D. 8 and 9

7. Square root of $\dfrac{0.484}{6.4} \times \dfrac{0.196}{12.1} \times \dfrac{3.6}{4.9}$ is _____.

A. 0.03   B. 0.01   C. 0   D. 0.02

8. The square root of $\dfrac{68}{9}$ correct to two decimal place is

A. 2.33   B. 2.86   C. 2.88   D. 2.74

9. If $\sqrt{\left(\dfrac{99}{25} - 2\right)}$ = x + 1, then x equals _____

A. $\dfrac{2}{5}$ B. $\dfrac{3}{5}$ C. $\dfrac{4}{5}$ D. $\dfrac{1}{5}$

10. Simplify: $\sqrt{45} \times \sqrt{20}$

A. 12   B. 10   C. 30   D. 15

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Answer Key

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