The square root of a number is the number that when multiplied by itself equals the given number. The symbol for square root is $\sqrt{}$. Therefore, $\sqrt{64}$ = 8 because 8 × 8 = 64.

- An **exponent** tells how many times the **base number** is multiplied by itself (Ex: **4³**, 4 = **base³** = exponent: **4³ = 4 x 4 x 4 = 64)**
- The **square root** ($\sqrt{}$) of a number = the number that, when multiplied times itself, equals the given number. (Ex: $\sqrt{81}$ = 9 since 9 x 9 = 81.)

Find the square root of the following numbers and type it on the line provided. (Round to the nearest hundredth)

1. $\sqrt{324}$ Answer: _____

2. $\sqrt{37}$ Answer: _____

3. $\sqrt{14}$ Answer: _____

4. $\sqrt{280}$ Answer: _____

5. $\sqrt{75}$ Answer: _____

6. The $\sqrt{70}$ is _____

   a. between 5 and 6
   b. between 6 and 7
   c. between 7 and 8
   d. between 8 and 9

7. The $\sqrt{150}$ is _____

   a. between 10 and 11
   b. between 11 and 12
   c. between 12 and 13
   d. between 13 and 14

8. Moto-Corps corporate office spent \$125,000 on office supplies last year. Which of the following expressions represents this amount in scientific notation? _____

    a. 1.25×10^5
    b. 1.25×10^2
    c. 125×10^{-1}
    d. 1.25×10^3

9. Convert 1.76×10^6 to a whole number _____

    a. 1,760
    b. 17,600
    c. 176,000
    d. 1,760,000

Solve the following expressions and type it on the line provided.

10. 9^2 Answer: _____

11. 12^3 Answer: _____

12. $(x)(x)(x)(x)(x)$ Answer: _____