Square Root of Numbers in Decimal Form

A. Choose the correct answer:

1.	The	square	root o	of 0.25	is.
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a) 0.2	b) 0.4				
c) 0.5	d) 0.6				
2. Square root of a decimal number less than 1 is.					
a) Greater than 1	b) Less than 1				
c) Always 1	d) Greater than 2				
3. $\sqrt{2.25}$ is equal to.					
a) 1.5	b) 1.4				

c) 1.6 d) 1.7

4. When finding the square root of a decimal number, we group the digits.

a) Only before decimal point	b) Only after decimal point
c) Both sides separately in pairs	d) No grouping needed

5. The square root of 0.0009 is.

a) 0.03	b) 0.09
c) 0.3	d) 0.9

B. Write the Missing Terms to Complete the Sentences:

- 1. To find the square root of a decimal, group digits in pairs from the decimal point to the ______.
- 2. The square root of 1.21 is _____.
- 3. $\sqrt{0.64}$ is equal to _____.
- 4. In the decimal square root method, add extra ______ to complete pairs if necessary.
- 5. The square root of a decimal number less than 1 is always ______ than the number.

C. Figure out the answers to these questions:

- 1. Find the square root of 0.81
- 2. Find the square root of 6.25
- 3. Explain how grouping of digits is done for finding square root of 0.000625
- 4. Find the value of $\sqrt{2.25}$.

5. If the square of a number is 0.04, find the number

D. Mark each sentence with a True (\checkmark) or False (X):

- 1. Square root of a number less than 1 is greater than 1
- 2. $\sqrt{0.01}$ is 0.1
- 3. While finding square roots of decimals, digits after decimal are grouped in pairs
- 4. $\sqrt{00004}$ equals 0.2
- 5. 0.16 is a perfect square

E. Challenge yourself with these questions:

- 1. Find the square root of 2.56 using long division method.
- 2. Find the square root of 0.09.
- 3. Write two important steps to find the square root of a decimal number.
- 4. Find the square root of 1.44.
- 5. What happens to the number of decimal places when you find the square root of a decimal.