Perfect Squares or Square Numbers

A. Choose the correct answer:

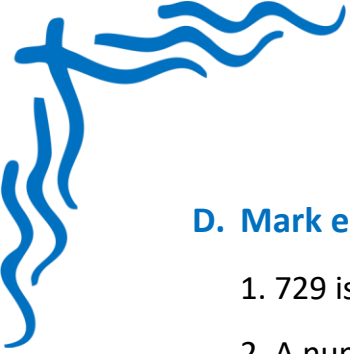**1. Which of the following numbers is a perfect square**

  a) 90   b) 121

  c) 115   d) 140

2. The number of perfect squares between 1 and 100 is

  a) 8   b) 10

  c) 9   d) 11

3. Which of the following is not a perfect square

  a) 64   b) 81

  c) 99   d) 100

4. What will be the unit digit of a perfect square ending in 6

  a) 2   b) 4

  c) 6   d) 0

5. Which number is a perfect square and also an even number

  a) 49   b) 64

  c) 81   d) 121

B. Write the Missing Terms to Complete the Sentences:

1. A perfect square always has _____ factors in total.

2. 225 is the square of _____.

3. The square of any odd number is always _____.

4. If a number ends with 2, it can _____ be a perfect square.

5. The square root of a perfect square number is always a _____ number.

C. Figure out the answers to these questions:

1. Find the least number that must be added to 150 to make it a perfect square.

2. Find the next perfect square after 576.

3. Identify the two perfect squares between which 50 lies.

4. Is 1225 a perfect square Find its square root.

5. Write all perfect squares between 100 and 200

D. Mark each sentence with a True (✔) or False (✗):

1. 729 is a perfect square   _____

2. A number ending with 3 can be a perfect square   _____

3. 1 is the smallest perfect square number   _____

4. Every perfect square has an odd number of total factors   _____

5. 256 is the square of 14   _____

E. Challenge yourself with these questions:

1. Find the sum of first five perfect square numbers.

2. Find two consecutive perfect squares whose difference is 39.

3. Find the smallest three-digit perfect square.

4. What is the square root of 0.04.

5. Write the first five perfect squares greater than 100.