



## Squares

### A. Choose the correct answer:

1. The square of 9 is.

- a) 18
- b) 81
- c) 27
- d) 36

2. The square of an even number is always.

- a) Even
- b) Odd
- c) Prime
- d) None

3. Which of the following numbers is a perfect square.

- a) 50
- b) 36
- c) 45
- d) 75

4. How many digits can the square of a 2-digit number have at most.

- a) 2
- b) 3
- c) 4
- d) 5

5. The square of an odd number is always.

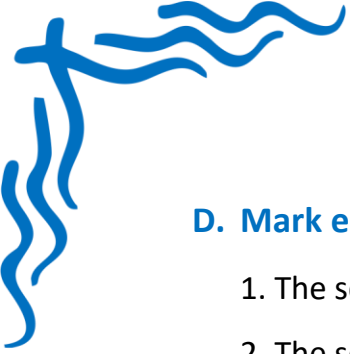
- a) Even
- b) Odd
- c) Prime
- d) Composite

### B. Write the Missing Terms to Complete the Sentences:

1. The product of a number with itself is called its \_\_\_\_\_.
2. The square of 12 is \_\_\_\_\_.
3. A number ending with 2, 3, 7, or 8 cannot be a \_\_\_\_\_ square.
4. The square of a negative number is always \_\_\_\_\_.
5. The unit digit of the square of 7 is \_\_\_\_\_.

### C. Figure out the answers to these questions:

1. Find the squares of 11, 15, and 18.
2. Find two consecutive natural numbers whose squares differ by 9.
3. If  $x = 13$ , find the value of  $x^2$ .
4. Find a number whose square is 169.
5. Write all perfect squares between 30 and 100.



**D. Mark each sentence with a True (✓) or False (X):**

1. The square of 5 is 25. \_\_\_\_\_
2. The square of 11 is 111. \_\_\_\_\_
3. The square of any real number is always positive. \_\_\_\_\_
4. 49 is the square of 8. \_\_\_\_\_
5. The square of  $\frac{1}{2}$  is  $\frac{1}{4}$ . \_\_\_\_\_

**E. Challenge yourself with these questions:**

1. Find the unit digit of the square of 19.
2. If 25 is a square number, what is its square root.
3. Write the squares of first five even natural numbers.
4. Is 48 a perfect square If not, find two perfect squares between which it lies.
5. Find the square of  $\frac{7}{5}$ .