

1. What is the difference between two consecutive square numbers like  $4^2$  and  $5^2$ ?

- a) 8                      b) 10  
c) 9                      d) 11

**2. The difference between 9 and 4 is**

- a) 3                      b) 5  
c) 7                      d) 2

**3. The difference between consecutive square numbers increases by**

- a) 2                                      b) 1  
c) Odd numbers                      d) Even numbers

**4. Which of the following is not an odd number?**

- a) 3                      b) 5  
c) 6                      d) 9

**5. What is the next odd number after 11?**

- [illegible]

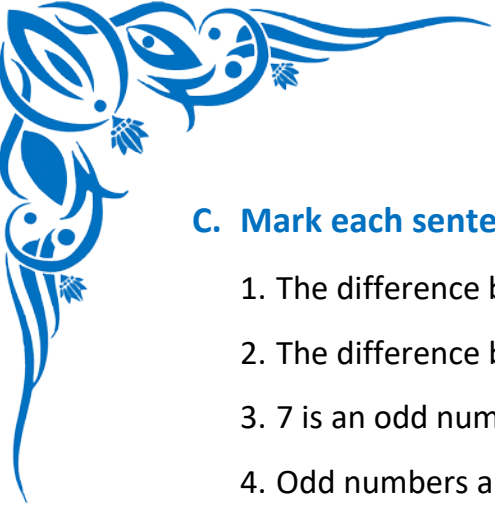
1. The square of 4 is \_\_\_\_\_ and the square of 5 is \_\_\_\_\_.

2. The difference between 36 and 25 is \_\_\_\_\_.

3. The difference between 49 and 36 is an \_\_\_\_\_ number.

4. The difference between consecutive square numbers follows a pattern of numbers.

5. 1, 3, 5, 7, 9 are examples of \_\_\_\_\_ numbers.



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

1. The difference between  $5^2$  and  $4^2$  is 9 \_\_\_\_\_
2. The difference between two square numbers is always even \_\_\_\_\_
3. 7 is an odd number between  $4^2$  and  $5^2$  \_\_\_\_\_
4. Odd numbers appear in a regular pattern between square numbers \_\_\_\_\_
5. All square numbers have an odd number between them \_\_\_\_\_

**D. Figure out the answers to these questions:**

1. Find the difference between  $6^2$  and  $5^2$  and write the result.
2. Write the first five square numbers and the differences between each pair.
3. List the sequence of odd numbers between the squares of 3 and 6.
4. Write a short explanation of how square numbers grow using odd numbers.
5. Complete the pattern:  $1^2 = 1$ ,  $2^2 = 4$ ,  $3^2 = 9$ . Differences = 3, \_\_\_\_, \_\_\_\_.

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

1. Write the square numbers from  $1^2$  to  $10^2$  and find the differences between each.
2. Show with a pattern how odd numbers can be added to get square numbers.
3. Draw a dot square for  $3^2$  and  $4^2$  and count the added dots.
4. Fill in the blanks:  $1^2 = 1$ ,  $2^2 = 4$  (difference = 3),  $3^2 = 9$  (difference = \_\_\_\_).
5. How many odd numbers lie between the squares of 6 and 8? Write them.