1. Consider the array A[]= {6,4,8,1,3} apply the insertion sort to sort the array . Consider the cost associated with each sort is 25 rupees , what is the total cost of the insertion sort when element 1 reaches the first position of the array?

Answers

1. 75

2. 50

3. 25

4. 100

2. State the following statement is true ro false
Linear search is rarely used practically because other search algorithms such as the binary search algorithm significantly faster searching comparisons.

3. How Many iterations will it takes to find 38 from an given array using binary search arr = {10,20,38,57,100}.

4. What is the Worst case time complexity of bubble sort?

5. What is the average case time complexity of selectoin sort?

6. What is the worst case time complexity of Linear search?

7. What is time complexity of Binary search?

8. The algorithm which repeatedly breaks down a list into several sublists until each sublist consists of a single element.

9. The following formula is of:
        left_subtree key < root key <= right_subtree keys

10. Binary search is commonly known as a --------------- or a ----------------.