Algorithm to count elements in an array :

distinct

Step1 : start

step 2 : Declare and input the array elements

step3 : Check if the current element is found in the array again

step 4 : If it is found, then do not print that element

step5 : else,
  print that element and continue.

step6 : stop.

Flowchart:

Start

```
int arr1[] = {1,5,8,5,7,3,2,4,1,6,2};
int n = sizeof (arr1) / sizeof (int);
int i,j;
```

```
printf ("The given array is : ");
i=0
```

i<n ?

No →

Yes →
```
printf ("%d", arr1[i]);
```
→ `i++;`

```
printf ("\n");
printf ("Unique Elements in the
given array are : \n");
i=0
```

i<n ?

No → `return 0;` → **End**

Yes → `j=0`

j<i ?

```
arr1[i] == arr1[j]?
```

No → `j++`

i==j ?

No →

Yes →
```
printf ("%d", arr1[i]);
```

→ `i++;`

Stop

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