



**Finding Minimum Of
The Given Number
Work Sheet: 06-ALG-04-WS**



Activity I

Find the smallest of the following numbers

Given Numbers	Step No	Comparison	Value of x
24	Step 1	-----	
35	Step 2		
17	Step 3		
63	Step 4		
37	Step 5		
56	Step 6		
42	Step 7		
6	Step 8		
71	Step 9		
84	Step 10		

The minimum number is _____

Activity II

Find the smallest and largest numbers simultaneously.

-Use of two trolleys.

-Use x for minimum number and y for maximum number

-Start by putting smaller of the first two numbers in x and the other one in y.

Given Numbers	Step No	Value of x	Value of y
43	Step 1		
35	Step 2		
58	Step 3		
64	Step 4		
18	Step 5		
72	Step 6		
47	Step 7		
32	Step 8		
26	Step 9		
81	Step 10		

The Minimum of the given numbers is _____ and the maximum is _____.

Name:

Class:

Div:

Roll. No:



**Finding Minimum Of
The Given Number
Work Sheet: 06-ALG-04-WS**



Activity I

Find the smallest of the following numbers

Given Numbers	Step No	Comparison	Value of x
24	Step 1	-----	24
35	Step 2	24 <input type="text" value="<"/> 35	24
17	Step 3	24 <input type="text" value=">"/> 17	17
63	Step 4	17 <input type="text" value="<"/> 63	17
37	Step 5	17 <input type="text" value="<"/> 37	17
56	Step 6	17 <input type="text" value="<"/> 56	17
42	Step 7	17 <input type="text" value="<"/> 42	17
6	Step 8	17 <input type="text" value="<"/> 6	6
71	Step 9	6 <input type="text" value="<"/> 71	6
84	Step 10	6 <input type="text" value="<"/> 84	6

The minimum number is 6



**Finding Minimum Of
The Given Number
Work Sheet: 06-ALG-04-WS**



Activity II

Find the smallest and largest numbers simultaneously.

-Use of two trolleys.

-Use x for minimum number and y for maximum number

-Start by putting smaller of the first two numbers in x and the other one in y.

-At each step, if the given number is smaller than x replace x with given number. If it is greater than y replace y with the given number.

Given Numbers	Step No	Value of x	Value of y
43	Step 1	-	43
35	Step 2	35	-
58	Step 3	35	58
64	Step 4	35	64
18	Step 5	18	64
72	Step 6	18	72
47	Step 7	18	72
32	Step 8	18	72
26	Step 9	18	72
81	Step 10	18	81

The Minimum of the given numbers is 18 and the maximum is 81.