## **Properties of Division**

1. Division by 1 property:

Let us put the grapes in 4 groups.

When you group 4 bunches of grapes into 4 groups, each group has one bunch.



4 ÷ 4=1

So, you can say that when a number is divided by itself the quotient is 1.

Now let us group all 4 bunches of grapes into one group.

There will be 4 bunches of grapes in 1 group.

## 4 ÷ 1 = 4

When a number is divided by 1, the quotient is the number itself.



2. Division by itself property:

If we Divide a number by number itself the quotient is 1.

For Example:

 $35 \div 35 = 1$ ,  $10 \div 10 = 1$ ,  $21 \div 21 = 1$ 

3. Division of zero by any number property.
When 0 is divided by any number, we always get 0 as the quotient.
For Example:

 $0 \div 25 = 0$ ,  $0 \div 100 = 0$ ,  $0 \div 5 = 0$