

Made with KINEMASTER

Focus Spot

Students usually get confused in
conversion of
frequency distribution table to
LESS THAN TYPE
&
MORE THAN TYPE

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Dear Students,
Let's see how much easy it is

Suppose the question is

**Convert the given frequency dist.
table to LESS THAN TYPE
& MORE THAN TYPE**

0 -10	5
10 - 20	7
20 - 30	10
30 - 40	3

Let us firstly understand how to get x-axis

Given table

0 - 10	5
10 - 20	7
20 - 30	10
30 - 40	3

Less than type
x - axis

Less than 10
Less than 20
Less than 30
Less than 40

More than type
x - axis

More than 0
More than 10
More than 20
More than 30

All upper limits
All lower limits

In other words, for getting x-axis in

**LESS THAN TYPE we take UPPER LIMITS of given table
& in**

MORE THAN TYPE we take LOWER LIMITS of given table

Now let's understand how to get y-axis

Given Question

0 - 10	5
10 - 20	7
20 - 30	10
30 - 40	3

Less than type
y-axis

5(first value same)

12(5+7)

22(5+7+10)

25(5+7+10+3)

To be added from top

More than type
y-axis

25(3+10+7+5)

20(3+10+7))

13(3+10)

3(last value same)

To be added from bottom

In other words, for getting y-axis in

**LESS THAN TYPE we add the numbers given
in freq. table
from TOP
& in**

**MORE THAN TYPE we add the numbers given
in freq. table
from BOTTOM**

so now our less than type and more than type tables will be like this

Less than type

X.	y
Less than 10.	5
Less than 20.	12
Less than 30.	22
Less than 40.	25

More than type

X.	y
More than 10.	25
More than 20.	20
More than 30.	13
More than 40.	3

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plot the points now

Thank u