UNITARY METHOD



Variation means change

A quantity which takes different values is called a variable. Ex: x, y...

A quantity which does not change is called a constant. Ex: 2, $3/4,\pi$

DIRECT PROPORTION/DIRECT VARIATION: Let x and y be to variables such that ratio of y to x is a constant, y varies directly with x or y is directly proportional to x. This is represented as y/x=k : y=kx where k= constant of proportionality **.Symbol** used is" α ".

INVERSE PROPORTION/IN DIRECT VARIATION: Let x and y be to variables such that product of two variables is a constant. i.e. xy=k : x=k/y where k= constant of proportionality **.Symbol used is"1/α"**



While applying unitary method, arrange statement in such a way that, whatever is asked to find in the question is written at the end of the statement.

TIME AND WORK:

- One day's work = $\frac{1}{No \text{ of days required to complete the work}}$
- No. of days required to do certain work = _____
- No. of days required to complete certain work = Work to be completed
- A is completes work in x days and B in y days, then One day's work $= \frac{1}{2} + \frac{1}{2}$