IIII- Disect And Indisect (Inverse) Roportions.
Basic Points
Direct Proportion: In this proportion, if
one quantity (n) increases, the other
quantity (y) also increases and vice-
viersa, it means that if n decreases
y also decreases.
y also decreases.
yt means, if we take the ratio
g two quantities, it is always Constant.
OR
$$\chi \propto \gamma \implies \chi = \chi = Ky \implies \chi = K (Const)$$

This K is called the Constant g variation
Note 1. The ratio χ is always positive
2. If nears, $\gamma = i$ always positive
2. Increases, $\gamma = 200$ increases
3. If χ decreases, $\gamma = 200$ increases
4. $2f = \chi_1, \chi_2, \chi_3, \dots, \dots$ core values
 $q = \chi_1, \chi_2, \chi_3, \dots, \dots$ and $\chi_1, \chi_2, \dots, \dots$
 $\chi_{aries directly $\Rightarrow \chi_1 = \frac{\eta_2}{\eta_2} = \dots$
 $Gart for 3$$

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5. If
$$\frac{\pi}{2}$$
 is not constant, then x and $\frac{\pi}{2}$
y do not vary directly.
One best example of daily life
if we have more petrol we can
travel more distance and vice-versa
etc.
Inverse (Indirect) Variation; In this
type of Variation, one quantity is The
reciprocal of other such that The
product of two quantities in constant.
So if we have two quanties x and
y then x is inversely propertion of y
if my = constant.
So in this case if one quantity
x increases the other quantity of decrease
and vice versa.
It is very important to note
that the product my remains constant
We say n varies inversely with or and
Vice versa.
Cont-Ars

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