This book has permission to use the "N\&K method of COLORS".
2) Question: If " $\mathrm{p}=\mathrm{cq}$ ", where " c " is a constant.

If " $\mathrm{p}=36$ " when " $\mathrm{q}=12$ ", what is the value of " p ", when " $\mathrm{q}=10$ ".
A) 10 changed
B) 20
C) 30
D) 40
nc
For speed, while solving something similar, only THINK the words in blue; WRITE only the words in other COLORS.
Solution:
Given 1) $\mathrm{p}=\mathrm{cq}$
2) $p=36$ when " $q=12$ "
3) What is the value of " p ", when " $\mathrm{q}=10$ ". Find/Solve

Road Map of Solution:
First: Substitute the know values of " $p$ " and " $q$ " (given $2^{\text {nd }}$ statement) in the given equation (given $1^{\text {st }}$ statement) to find the value of the constant " $c$ ".
Second:Now that you know the value of constant " $c$ ", substitute " $c$ " and " " (from given 3rd statement) in the given equation (given $1^{\text {st }}$ statement) to find the value of " $p$ ".


