This book has permission to use the "N\&K method of COLORS".
Examples: Exponents

| $2^{a+b}=2^{a} \times 2^{b}$ |  |  |
| :---: | :---: | :---: |
| $2^{8}$--> | can also be written as= $2^{2+6}-\mathrm{>}$ | can also be written as= $2^{6+2}$ |
| $=2^{8}$ | $=2^{2} \times 2^{6}$ | $=2^{6} \times 2^{2}$ |
| $=2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$ | $=4 \times 64$ | $=64 \times 4$ |
| $=4 \times 4 \times 4 \times 4$ | $=256$ | $=256$ |
| $=16 \times 16$ | $=256$ | $=256$ |
| $=256$ | $=256$ | $=256$ |

$2^{a \times b}=2^{a^{b}}=2^{b \times a}=2^{b^{a}}$

| $2^{8} \quad-->$ |  |  |  |
| :---: | :---: | :---: | :---: |
| $=2^{8} \quad-->$ |  |  |  |
| $=\quad 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$ |  |  |  |
| $=4$ | $\times 4$ | $\times 4$ | $\times 4$ |
| $=16$$=256$ |  |  |  |
|  |  |  |  |


| can also be written as | $=2^{2 \times 4}$ | $-->$ |
| ---: | :--- | :--- |
| can also be written as | $=2^{2^{4}}$ | $-->$ |
|  | $=4^{4}$ |  |
|  | $=4 \times 4 \times 4 \times 4$ |  |
|  | $=16 \times 16$ |  |
|  | $=256$ |  |$\quad$| can also be written as | $=2^{4 \times 2}$ |
| ---: | :--- |
| can also be written $a s$ | $=2^{4^{2}}$ |
|  | $=16^{2}$ |
|  | $=16 \times 16$ |
|  | $=16 \times 16$ |
|  | $=256$ |

