Ex: Complete the following table showing products of prefixes for engineering units:

| $\cdot$ | n | $\mu$ | m |  | k | M |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| n |  | f |  |  |  |  |
| $\mu$ | f |  |  | $\mu$ |  |  |
| m |  | n |  |  |  | k |
|  |  |  | m |  |  |  |
| k |  |  |  | k | M |  |
| M | m |  |  |  | G |  |

Note: $a=10^{-18}, f=10^{-15}, p=10^{-12}, n=10^{-9}, \mu=10^{-6}, m=10^{-3}$, blank $=10^{0}, \mathrm{k}=10^{3}, \mathrm{M}=10^{6}, \mathrm{G}=10^{9}, \mathrm{~T}=10^{12}$

Sol'n: a)

| . | n | $\mu$ | m |  | k | M |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| n | a | f | p | n | $\mu$ | m |
| $\mu$ | f | p | n | $\mu$ | m |  |
| m | p | n | $\mu$ | m |  | k |
|  | n | $\mu$ | m |  | k | M |
| k | $\mu$ | m |  | k | M | G |
| M | m |  | k | M | G | T |

