

EET-150  
Introduction to EET  
Engineering Notation Reference and Worksheet

PREFIX	SYMBOL	MULTIPLIER	EXPONENT FORM
exa	E	1, 000, 000, 000, 000, 000, 000	$10^{18}$
pera	P	1, 000, 000, 000, 000, 000	$10^{15}$
tera	T	1, 000, 000, 000, 000	$10^{12}$
giga	G	1, 000, 000, 000	$10^9$
mega	M	1, 000, 000	$10^6$
kilo	k	1, 000	$10^3$
hecto	h	100	$10^2$
deca	da	10	$10^1$
Basic Unit	Basic Unit	1	$10^0$
deci	d	0.1	$10^{-1}$
centi	c	0.01	$10^{-2}$
milli	m	0.001	$10^{-3}$
micro	$\mu$	0.000, 001	$10^{-6}$
nano	n	0.000, 000, 001	$10^{-9}$
pico	p	0.000, 000, 000, 001	$10^{-12}$
femto	f	0.000, 000, 000, 000, 001	$10^{-15}$
atto	a	0.000, 000, 000, 000, 000, 001	$10^{-18}$

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Name \_\_\_\_\_

Please perform the math operation, and write the answer in engineering notation:

- |                                  |       |                                    |       |
|----------------------------------|-------|------------------------------------|-------|
| 1) $1 \text{ k} * 10 \text{ m}$  | _____ | 5) $2.72 \text{ m} * 15 \text{ M}$ | _____ |
| 2) $45 \text{ M} / 24 \mu$       | _____ | 6) $365.3 \mu * 77$                | _____ |
| 3) $36 \text{ G} * 75 \text{ k}$ | _____ | 7) $33 \text{ E} / 2.7 \text{ m}$  | _____ |
| 4) $25 \text{ p} * 15 \text{ k}$ | _____ | 8) $16\text{k} * 106.7 \text{ a}$  | _____ |

Please write the following numbers in engineering notation:

- |                   |       |                         |       |
|-------------------|-------|-------------------------|-------|
| 1) 12700          | _____ | 5) 1800/.01             | _____ |
| 2) .000034        | _____ | 6) 980000000000         | _____ |
| 3) .000021 * .002 | _____ | 7) .000000 * .003       | _____ |
| 4) 60000000       | _____ | 8) 236921587463 * .0101 | _____ |