

Prefixes and Standard Form

Prefix	Symbol	Meaning	Index form
exa	E	1,000,000,000,000,000,000	10^{18}
peta	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
deka	da	10	10^1
-	-	1	10^0
deci	d	0.1	10^{-1}
centi	c	0.01	10^{-2}
milli	m	0.001	10^{-3}
micro	μ	0.000001	10^{-6}
nano	n	0.000000001	10^{-9}
pico	p	0.000000000001	10^{-12}
femto	f	0.000000000000001	10^{-15}
atto	a	0.000000000000000001	10^{-18}

Using the information in the table above convert these numbers to standard form

- 1 kilo byte
- 10 kilo bytes
- 15 kilo bytes
- 37 kilo bytes
- 59 mega bytes
- 129 tera bytes
- 234 mega Joules
- 1 centimetre

9. 10 centimetres
10. 25 centimetres
11. 345 centimetres
12. 78 micro Joules
13. $98 \mu J$
14. $34 fm$
15. $2786 nm$
16. $7654 \mu F$
17. $348 nF$
18. $356 pJ$
19. $2987 EB$
20. $7823 PB$