

Math Facts for the SHSAT

Metric Prefixes					
Prefix	Symbol	Meaning	Value		
Tera-	T	trillion	1,000,000,000,000	=	10^{12}
		Hundred Billion	100,000,000,000	=	10^{11}
		Ten Billion	10,000,000,000	=	10^{10}
Giga-	G	billion	1,000,000,000	=	10^9
		Hundred Million	100,000,000	=	10^8
		Ten Million	10,000,000	=	10^7
Mega-	M	million	1,000,000	=	10^6
		Hundred Thousand	100,000	=	10^5
		Ten Thousand	10,000	=	10^4
kilo-	k	thousand	1,000	=	10^3
hecto-	h	hundred	100	=	10^2
deka-	da	ten	10	=	10^1
		calorie, c second, s UNIT gram, g liter, l meter, m	1	=	10^0
deci-	d	tenth	0.1	$\frac{1}{10}$	= 10^{-1}
centi-	c	hundredth	0.01	$\frac{1}{100}$	= 10^{-2}
milli-	m	thousandth	0.001	$\frac{1}{1000}$	= 10^{-3}
		Ten Thousandth	0.0001	=	10^{-4}
		Hundred Thousandth	0.00001	=	10^{-5}
micro-	μ	millionth	0.000001	$\frac{1}{1000000}$	= 10^{-6}
		Ten Millionth	0.0000001	=	10^{-7}
		Hundred Millionth	0.00000001	=	10^{-8}
nano-	n	billionth	0.000000001	$\frac{1}{1000000000}$	= 10^{-9}
		Ten Billionth	0.0000000001	=	10^{-10}
		Hundred Billionth	0.00000000001	=	10^{-11}
pico-	p	trillionth	0.000000000001	$\frac{1}{1000000000000}$	= 10^{-12}