

# Math Facts for the SHSAT

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