Math Facts for the SHSAT

Metric Prefixes							
Prefix	**Symbol**	**Meaning**		**Value**			
Tera-	**T**	**trillion**	**1,000,000,000,000**	$\dfrac{1,000,000,000,000}{1}$		=	10^{12}
		hundred billion	100,000,000,000				
		ten billion	10,000,000,000				
Giga-	**G**	**billion**	**1,000,000,000**	$\dfrac{1,000,000,000}{1}$		=	10^{9}
		hundred million	100,000,000				
		ten million	10,000,000				
Mega-	**M**	**million**	**1,000,000**	$\dfrac{1,000,000}{1}$		=	10^{6}
		hundred thousand	100,000				
		ten thousand	10,000				
kilo-	**k**	**thousand**	**1,000**	$\dfrac{1,000}{1}$		=	10^{3}
hecto-	**h**	**hundred**	**100**	$\dfrac{100}{1}$		=	10^{2}
deka-	**da**	**ten**	**10**	$\dfrac{10}{1}$		=	10^{1}
UNIT		**calorie, c second, s gram, g liter, L meter, m**	**1**			=	10^{0}
deci-	**d**	**tenth**	**0.1**	$\dfrac{1}{10}$		=	10^{-1}
centi-	**c**	**hundredth**	**0.01**	$\dfrac{1}{100}$		=	10^{-2}
milli-	**m**	**thousandth**	**0.001**	$\dfrac{1}{1,000}$		=	10^{-3}
		ten thousandth	0.0001				
		hundred thousandth	0.00001				
micro-	**μ**	**millionth**	**0.000001**	$\dfrac{1}{1,000,000}$		=	10^{-6}
		ten millionth	0.0000001				
		hundred millionth	0.00000001				
nano-	**n**	**billionth**	**0.000000001**	$\dfrac{1}{1,000,000,000}$		=	10^{-9}
		ten billionth	0.0000000001				
		hundred billionth	0.00000000001				
pico-	**p**	**trillionth**	**0.000000000001**	$\dfrac{1}{1,000,000,000,000}$		=	10^{-12}

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