

# CONVERSION Game

Prefix	<u>M</u> ega	<u>K</u> ilo	<u>H</u> ecto	<u>D</u> eka	Base <u>U</u> nit	<u>D</u> eci	<u>C</u> enti	<u>M</u> illi	<u>M</u> icro
Means	$10^6$	1000	100	10	1	1/10	1/100	1/1000	$1/10^6$
Symbol	Mm Ml Mg	km kl kg	hm hl hg	dam <i>or</i> dkm dal <i>or</i> dkl dag <i>or</i> dkg	m (meter) l (liter) g (gram)	dm dl dg	cm cl cg	mm ml <i>or</i> cc mg	$\mu$ m $\mu$ l $\mu$ g

Remember the prefixes with this acronym: Miss Kathy Has Dirty Underwear; Don't Check Mine, Mister

To convert from a smaller unit to a larger unit (moving left in the table shown above), you move the decimal place to the left in the number you are converting. If you are converting from a larger unit to a smaller unit (moving right in the table), the decimal is moved to the right. The number of places you move the decimal corresponds to the number of rows you are crossing in the table.

Example: Convert 43.1 cm to km. Move the decimal point 5 places to the left, adding zeros as needed. Answer: .000431 km. The decimal is moved 5 places to the left because kilo is 5 places to the left of centi.

## WHAT TO DO:

The first player rolls the die and moves the number of spaces indicated on it if s/he can correctly answer the problem in the square where s/he would land. The other students check to see if the problem has been answer correctly. The first player home wins.  
Record the answers on your answer sheet.