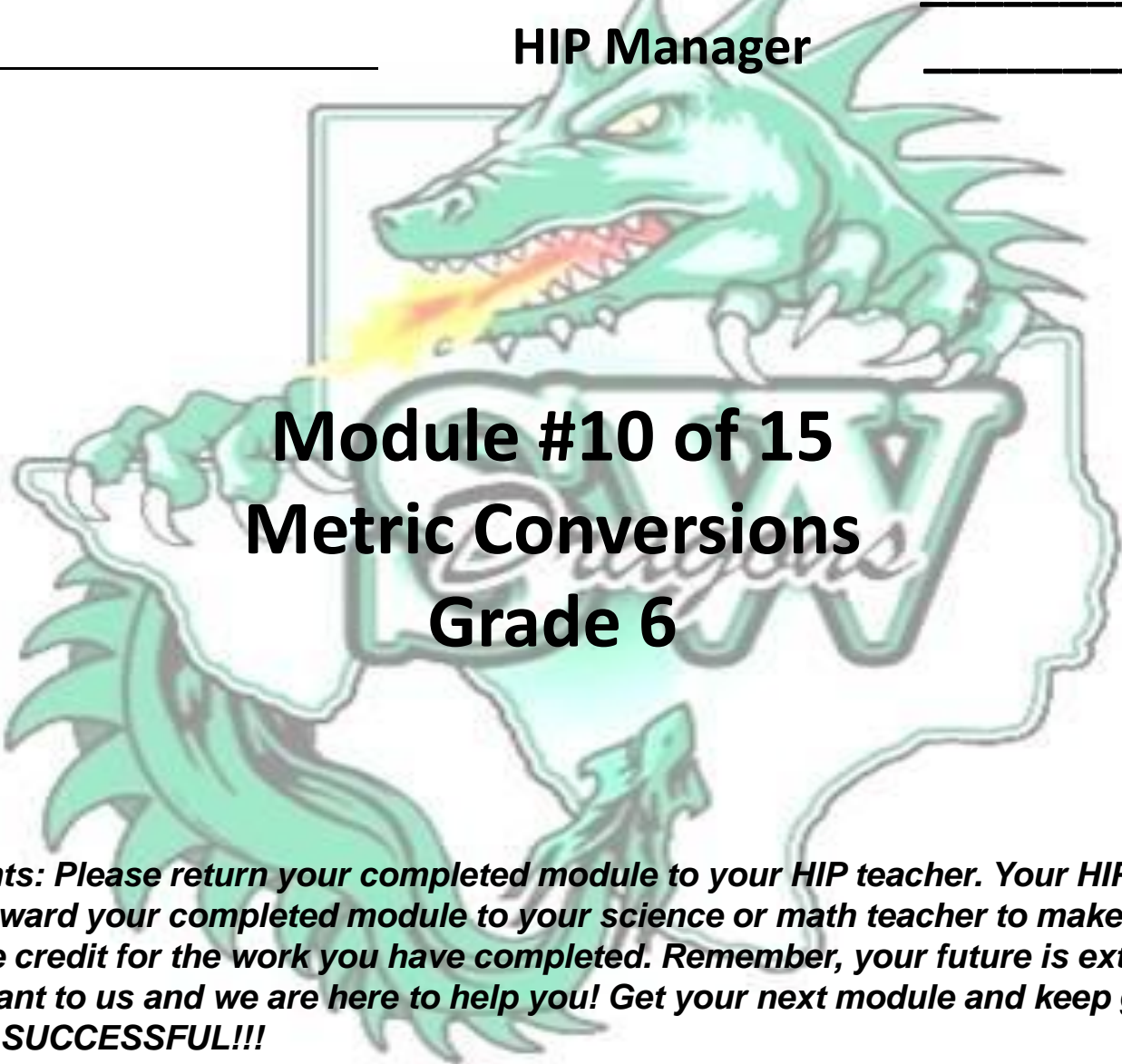**Student Name:**_____

Math Teacher: _____

HIP Manager _____

Module #10 of 15
Metric Conversions
Grade 6

Students: Please return your completed module to your HIP teacher. Your HIP teacher will forward your completed module to your science or math teacher to make sure you receive credit for the work you have completed. Remember, your future is extremely important to us and we are here to help you! Get your next module and keep going – you will be SUCCESSFUL!!!

MATH DRAGON PRESENTS
"METRIC CONVERSIONS"

METRIC CONVERSIONS

Metric units are used to measure length, mass and capacity. You need to able to convert between these different measurements.

KHDUDCM

K	H	D	U	D	C	M
i	e	e	n	e	e	i
l	c	c	i	c	n	l
o	t	a	t	i	t	l
o		Meter (m)	i	i

Liter (L)

Gram (g)

(k)   (h)   (da)   (d)   (c)   (m)

One way to help us remember the metric chart is to use a mnemonic aide.

Try remembering this:

King Henry Died Unusually Drinking Chocolate Milk

KHDUDCM

K	H	D	U	D	C	M
i	e	e	n	e	e	i
l	c	c	i	c	n	l
o	t	a	t	i	t	l
o	o		Meter	i	i	i
			Liter			
			Gram			

Example: 250cm = 2.5m

Remember to think of money: if there is no decimal it starts at the end of the number.

To convert 250cm to meters: start at the C and end at the U (because meter is at the unit)…move your decimal the same amount of spaces in the same direction. In this problem you will move the decimal 2 spaces to the left.

K H D U D C M

(k)　　(h)　　(da)　　(m)　　(d)　　(c)　　(m)
　　　　　　　　　　(L)
　　　　　　　　　　(g)

17km = _____m　　　Move from the K to the U　　17,000

580mL = _____L　　　Move from the M to the U　　.58

36.4cg = _____kg　　　Move from the C to the K　　.000364

.05g = _____mg　　　Move from the U to the M　　50

Remember to think of money if there is no decimal; it starts at the end of the number.

Move your decimal the same amount of spaces in the same direction as you move in the chart up above.

TIME TO PRACTICE!!!

K H D U D C M

(k)   (h)   (da)   (m)   (d)   (c)   (m)

(L)

(g)

243dm = _____mm   24300

8.5L = _____mL   8500

.75kg = _____g   750

In the abbreviations, d stands for deci, da or dc stands for deca.

5.4cm = _____hm   .00054

Move your decimal the same amount of spaces in the same direction as you move in the chart up above.

K H D U D C M

(k)　　(h)　　(da)　　(m)　　(d)　　(c)　　(m)
　　　　　　　　　　　　(L)
　　　　　　　　　　　　(g)

8.54m = _____km　　　.00854

56L = _____daL　　　5.6

90.4dg = _____hg　　　.0904

406.7mL = _____cL　　　40.67

Remember meter, liter and gram start at the Unit.

Move your decimal the same amount of spaces in the same direction as you move in the chart up above.

LETS SEE HOW MUCH YOU HAVE LEARNED!!!

KHDUDCM

864cg = _____g

65L = _____mL

7.1m = _____dm

.03kg = _____mg

> Remember to think of money: if there is no decimal then it starts at the end of the number.

Move your decimal the same amount of spaces in the same direction as you move in the chart up above.

How will TAKS ask this problem?

Pedro bought a 2-liter bottle of soda. What is the volume of the bottle in milliliters?

F   20,000 mL
G   2,000 mL
H   200 mL
J   20 mL

Remember to use King Henry Died Unusually Drinking Chocolate Milk… Find your starting point and your ending point then move your decimal.

Another TAKS type problem?

Anna's brother is 117 centimeters tall. How is 117 centimeters expressed in meters?

A 0.117 m
B 1.17 m
C 11.7 m
D 117 m

Remember to use King Henry Died Unusually Drinking Chocolate Milk… Find your starting point and your ending point then move your decimal.

NOW YOU WILL CREATE A PROBLEM OF YOUR OWN!!!

CREATE YOUR OWN

- You are going to write a metric conversion problem of your own.
- It must be a problem that requires using metric conversions to find the answer.
- Extra points can be earned by drawing a picture to go with your problem.
- Finally, you need to explain what the correct answer is and WHY?
- Remember what you learned and don't be afraid to take a math adventure like our Math Dragon!!

YOUR WORD PROBLEM

CONGRATULATIONS!!!

JOB WELL DONE, AND WE WILL SEE YOU AGAIN SOON IN

"MATH DRAGON'S MATH ADVENTURE!!"