

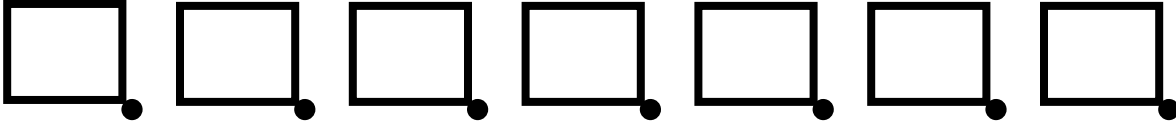
# Metric Conversion Worksheet

Class: \_\_\_\_\_

Name: \_\_\_\_\_

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Complete the boxes by writing the correct abbreviation of the metric units studied. Use meters to express the units.



Convert each of the following by moving the decimal to the left or right as needed.

A.) 2.5 cm = \_\_\_\_\_ mm

N.) 3.0 m = \_\_\_\_\_ cm

B.) 3.4 dm = \_\_\_\_\_ dkm

O.) 0.5 km = \_\_\_\_\_ m

C.) 6.834 hm = \_\_\_\_\_ mm

P.) 14.0 m = \_\_\_\_\_ km

D.) 109.87 dkm = \_\_\_\_\_ km

Q.) 23.5 mm = \_\_\_\_\_ m

E.) 1,900.07 cm = \_\_\_\_\_ hm

R.) 14.2 mm = \_\_\_\_\_ cm

F.) 1.0 km = \_\_\_\_\_ m

S.) 43.9 km = \_\_\_\_\_ dm

G.) 2.0 km = \_\_\_\_\_ mm

T.) 5,678.901 mm = \_\_\_\_\_ m

H.) 3.0 m = \_\_\_\_\_ km

U.) 0.234 km = \_\_\_\_\_ mm

I.) 1.0 dm = \_\_\_\_\_ hm

V.) 34.25 dkm = \_\_\_\_\_ km

J.) 2.0 cm = \_\_\_\_\_ hm

W.) 99.9999 hm = \_\_\_\_\_ cm

K.) 3.0 hm = \_\_\_\_\_ dm

X.) 8787.87 mm = \_\_\_\_\_ dkm

L.) 1.0 hm = \_\_\_\_\_ m

Y.) 5555.555 cm = \_\_\_\_\_ hm

M.) 4.0 m = \_\_\_\_\_ dm




Z.) 0.000302 km = \_\_\_\_\_ mm

# Metric Conversion

## The "Simple" Way to Get the Answer!

FIRST: You must be able to identify, in the problem, the:

- 1) Beginning unit
- 2) Ending unit, and the
- 3) Original decimal placement.

EXAMPLE: 100. km = \_\_\_\_\_ m  
 3)  1)  2) 

SECOND: You must be able to:

- 1) Play a board game where tokens are moved the number of places indicated on a die or a spinner.
- 2) Count from one to ten...actually, only one to six!
- 3) Tell your right hand from your left

THIRD: You must know the following chart.


kilo-	hecto-	deka-	-m	deci-	centi-	milli-
1000	100	10	1	0.1	0.01	0.001
k-	h-	dk-	-m/-l/-g	d-	c-	m-
km	hm	dkm	m/l/g	dm	cm	mm

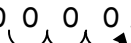
Using the chart and the skills previously listed you can easily convert metric units.

EXAMPLE: 100. km = \_\_\_\_\_ m

The beginning unit is *km*. Place your finger on the *km* in the chart. Your move is to *m*. Count the number of spaces you move to get to *m*. You move **3 spaces to the right**.

Find the decimal in the problem. Move the decimal **3 spaces to the right**.

EXAMPLE: 100 . Fill any empty spaces with zeros.

EXAMPLE: 100 0 0 0. . Re-write the number in the blank provided for the answer.

EXAMPLE: 100. km = 100 000. m

# The End!