

# Do Your Metric System Skills Measure Up?!

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

## KNOWLEDGE:

1. In the space below, record the "Prefix Line":

\_\_\_\_\_ ~ \_\_\_\_\_ ~ \_\_\_\_\_ ~ **BASE UNIT** ~ \_\_\_\_\_ ~ \_\_\_\_\_  
 (gram, meter, liter)

2. List the tool and unit used for each metric measurement in the table below:

MEASUREMENT	TOOL	UNIT
Distance/Length		
Mass		
Volume		

## COMPREHENSION:

Identify the prefix and/or unit for the abbreviations below:

k = \_\_\_\_\_      l = \_\_\_\_\_      d = \_\_\_\_\_  
 g = \_\_\_\_\_      da = \_\_\_\_\_      m (the unit) = \_\_\_\_\_  
 h = \_\_\_\_\_      m (the prefix) = \_\_\_\_\_      c = \_\_\_\_\_

## APPLICATION:

Complete the conversions below. (HINT: move your decimal left or right the number of places your prefix has moved!)

85 cm = \_\_\_\_\_ hm      9.8 dl = \_\_\_\_\_ dal  
 64.8 dag = \_\_\_\_\_ dg      77 L = \_\_\_\_\_ kl  
 62.5 m = \_\_\_\_\_ mm      312 mg = \_\_\_\_\_ g  
 78.98 cl = \_\_\_\_\_ L      475 hL = \_\_\_\_\_ dal

## Metric Conversion Worksheet

1. Write the prefixes for the metric system in order, left to right.

2	3	4	5	6	7	8	9	10	?
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Do each exercise and find your answer in the column. Write the word next to the answer in the box containing the problem number.

2. 4 m = \_\_\_\_\_ mm      3. 49 cm = \_\_\_\_\_ m      4. 16 kg = \_\_\_\_\_ g

5. 97 cm = \_\_\_\_\_ mm      6. 25 L = \_\_\_\_\_ ml      7. 437 mg = \_\_\_\_\_ g

8. 4.3 km = \_\_\_\_\_ m      9. 5 mm = \_\_\_\_\_ cm      10. 1.6 L = \_\_\_\_\_ ml

11	12	13	14	15	16	17	18	19
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11. 87.5 cm = \_\_\_\_\_ m      12. 9762 g = \_\_\_\_\_ kg      13. 8.9 cm = \_\_\_\_\_ mm

14. 3.42 m = \_\_\_\_\_ cm      15. 576 L = \_\_\_\_\_ kl      16. 56 g = \_\_\_\_\_ mg

17. 97.62kg = \_\_\_\_\_ g      18. 2.5 kl = \_\_\_\_\_ L      19. 4.37 mg = \_\_\_\_\_ g

500	.437	43.7	.97	.49	1600	25000	160	4300	16000	970	4000	.5
pond	to	jump	from	did	Paris	decide	Texas	move	the	frog	why	to

9.762	56000	97.62	25	.875	.00437	57.6	2500	437	.576	342	89	97620
he	served	croak	steak	because	flies	tried	French	bugs	meals	his	wanted	with