

Name \_\_\_\_\_ Date \_\_\_\_\_ Per \_\_\_\_\_

### Writing Meters, Liters, and Grams

When Moving from one unit to a **larger** unit

When Moving from one unit to a **smaller** unit

No. of units moved	Unit multiplied by
1	0.1
2	0.01
3	0.001
4	0.0001
5	0.00001
6	0.000001

No. of units moved	Unit multiplied by
1	10
2	100
3	1000
4	10000
5	100000
6	1000000

1mm = .1cm  
1 mm = .01 dm  
1mm = .001 m  
1mm = .0001dkm  
1mm = .00001 hm  
1mm = .000001 km

.1 cm = 1mm  
.01 dm = 1 mm  
.001m = 1mm  
.0001dkm = 1mm  
.00001 hm = 1mm  
.000001 km = 1mm

*Convert the following:*

- 1) 3 mm = \_\_\_\_\_ cm
- 2) 5cm = \_\_\_\_\_ dm
- 3) 6dm = \_\_\_\_\_ m
- 4) 8m = \_\_\_\_\_ dkm
- 5) 6 cl = \_\_\_\_\_ l
- 6) 7 dl = \_\_\_\_\_ dkl
- 7) 9l = \_\_\_\_\_ hl
- 8) 4ml = \_\_\_\_\_ l
- 9) 25 cg = \_\_\_\_\_ g
- 10) 15g = \_\_\_\_\_ kg
- 11) 32dg = \_\_\_\_\_ kg
- 12) 98cg = \_\_\_\_\_ g
- 13) .3cm = \_\_\_\_\_ mm
- 14) .6m = \_\_\_\_\_ dm
- 15) .4hm = \_\_\_\_\_ dkm
- 16) .9km = \_\_\_\_\_ hm
- 17) .06l = \_\_\_\_\_ cl
- 18) .08dkl = \_\_\_\_\_ dl
- 19) .09hl = \_\_\_\_\_ l
- 20) .002l = \_\_\_\_\_ ml
- 21) .27g = \_\_\_\_\_ mg
- 22) .15g = \_\_\_\_\_ mg
- 23) .052 dkg = \_\_\_\_\_ cg
- 24) .22hg = \_\_\_\_\_ g