

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

Give the missing decimals

- 1) 3 mm = _____ cm 5) 6 cl = _____ l 9) 25 cg = _____ g
2) 5cm = _____ dm 6) 7 dl = _____ dkl 10) 15g = _____ kg
3) 6dm = _____ m 7) 9l = _____ hl 11) 32dg = _____ kg
4) 8m = _____ dkm 8) 4ml = _____ l 12) 98cg = _____ g

Give the missing number

- 13) .3cm = _____ mm 17) .06l = _____ cl 21) .27g = _____ mg
14) .6m = _____ dm 18) .08dkl = _____ dl 22) .15g = _____ mg
15) .4hm = _____ dkm 19) .09hl = _____ l 23) .052 dkg = _____ cg
16) .9km = _____ hm 20) .002l = _____ ml 24) .22hg = _____ g

Write as decimals.

25) $37 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

29) $276 \text{ ml} = \underline{\hspace{2cm}} \text{ l}$

33) $378 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

26) $107 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

30) $8,278 \text{ ml} = \underline{\hspace{2cm}} \text{ l}$

34) $56 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

27) $1,529 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

31) $27 \text{ ml} = \underline{\hspace{2cm}} \text{ l}$

35) $9,762 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

28) $26 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

32) $4,010 \text{ ml} = \underline{\hspace{2cm}} \text{ l}$

36) $8,920 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$