

Name : _____ Score : _____

Teacher : _____ Date : _____

How Many Significant Digits for Each Number?

1) 0.00900 = _____

11) 0.54 = _____

2) 1.8×10^8 = _____

12) 0.00200 = _____

3) 6.5×10^{-9} = _____

13) 0.0261 = _____

4) 4000 = _____

14) 2008 = _____

5) 0.0002 = _____

15) 76 = _____

6) 6002 = _____

16) 6×10^{-3} = _____

7) 8×10^{-6} = _____

17) 0.0714 = _____

8) 810 = _____

18) 1.3×10^4 = _____

9) 6×10^{-4} = _____

19) 0.09 = _____

10) 10 = _____

20) 7948 = _____



Phys 20

Metric Conversion Sheet Sheet One

A: Convert the following to meters (m).

0.75 cm	652 mm
0.0054 km	0.014 hm
46.12 dm	0.356 dam

B: Convert the following to centimeters (cm).

652 mm	4.5 dm
2.34 m	0.38 dam
0.00065 km	0.0123 hm

C: Convert the following to grams (g).

75 kg	113.6 cg
0.859 hg	2 386 mg
6.45 dag	43.7 dg

D: Convert the following to hectagrams (hg).

14.9 kg	234 g
58.0 dg	99.87 dag
9 8543 mg	876.54 cg

E: Convert the following to milliliters (mL).

1.003 kL	7.6 L
18.8 dL	0.34 hL
194 cL	23.9 daL

F: Convert the following to kilograms (kg).

45.6 g	234.98 cg
9 876 mg	23.6 hg
492 dg	65.8 dag

Physics 20
Converting Units

Convert the following numbers from their stated units to the requested units.

a. 23.7 mg = _____ dg

b. 953.2 kg = _____ g

c. 92.67 cl = _____ dal

d. 0.085 hl = _____ ml

e. 76214 μm = _____ dm

f. 1.7 Mm = _____ m

g. 45.8 dm = _____ nm

h. 237.43 dam = _____ km

i. 6.4 days = _____ min

j. 87321 sec = _____ days

k. 82.5 cm^2 = _____ m^2

l. 1578.1 μm^2 = _____ cm^2

m. 0.0025 km^2 = _____ dm^2

n. 29.02 Mm^2 = _____ km^2

o. 35.7 dam^2 = _____ dm^2

p. 1357 mm^3 = _____ m^3

q. 185 hm^3 = _____ dam^3

r. 35.7 Mm^3 = _____ hm^3

s. 1340000 μm^3 = _____ cm^3

t. 0.000000345 km^3 = _____ m^3

u. 14 m/s = _____ km/h

v. 90 km/h = _____ m/s