

Name: Key
Metric Conversions

Section: _____

Metric Conversions Worksheet II

1. Convert the following to km:

1600.0 m = 1.6 km 2050 cm = .02050 km 1.033 Mm = 1.033 km
245 565 mm = .245565 km 20 099 m = 20.099 km 499 m = .499 km

2. Convert the following:

10.034 mJ = 1.0034 cJ 36.45 cL = 36,450 μ L
0.05 cm = .5 mm 1024 B = 1.024 kB
0.0325 kJ = 3,250 cJ 1202.5 mL = 1.2025 L
0.42101 Gg = 421.01 Mg 25.5 km = 25,500 m
0.12907 cm = 1.2907 mm 756 900 μ s = 756.900 ms
5600.4 Ms = 5.6004 Gs 268 000 cm = 2.68000 km

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Metric Conversions Worksheet III

Convert the following:

$0.0075 \text{ Gm} = \underline{7500} \text{ km}$

$0.00091 \text{ TL} = \underline{910} \text{ ML}$

$0.00046 \text{ ks} = \underline{46} \text{ cs}$

$244475.3 \text{ } \mu\text{s} = \underline{.002444753} \text{ hs}$

$4096 \text{ MB} = \underline{4.096} \text{ GB}$

$210 \text{ hm} = \underline{210000} \text{ cm}$

$0.0002 \text{ } \mu\text{g} = \underline{.0000002} \text{ mg}$

$448.5 \text{ cg} = \underline{4.485} \text{ g}$

$0.00034 \text{ } \mu\text{L} = \underline{.00000034} \text{ cL}$

$2103.55 \text{ s} = \underline{2.10355} \text{ ks}$

$11120.33 \text{ ng} = \underline{.001112033} \text{ cg}$

$0.0000012 \text{ GL} = \underline{12000} \text{ cL}$

Word Problems

1. The distance from your home to the airport is 0.0000075 Gm. How far is this in km?

$$\underline{7.5 \text{ km}}$$

2. There are 10 computers in the computer lab that each have 20 GB hard drives. How many bytes (B) of disk space do we have in the computer lab in total.

$$\underline{200 \text{ GB} = 200,000,000,000 \text{ bytes}}$$

3. A challenge: convert 100125368477004 ng to Teragrams.

$$\underline{.000000100125368477004 \text{ Tg}}$$