Conversions using the Metric System Practice Problems. You may use a calculator if you would like.

1. The weight of a flash drive is 3 grams. Convert the measurement to centigrams.
2. The distance between Cell Phone Company A and B is 87 m. Convert the measurement to cm.

3) 76.2 m of CL2 in-wall speaker cable was installed in an office for background music.

A) Calculate that length in decameters.

B) Calculate that length in centimeters.

4) A wireless router supports a range of up to 4,572 cm indoors.

A) Calculate that length in meters.

B) Calculate that length in kilometers.

5) When storing and stacking laptop computers you need to take into account the mass of the object. A typical laptop computer has a mass of about 4 kg.

A) Calculate that mass in grams.

B) Calculate that mass in milligrams.

6) According to specifications the voltage drop for any wire within office cannot exceed 1 Volt. A typical 10 AWG copper wire can only be run 152.4 m before a voltage drop of 1 volt occurs.

A) Calculate that length in hectometers.

B) Calculate that length in decimeters.

7) Convert 411 kg to g. 8) Convert 5.626 l to cl.

9) Convert 80 ml to kl. 10) Convert 2.5 cm to m.

11) Convert 16,005 mg to g 12) Convert 48.66 L to daL

13) Convert 11.161 kL to L 14) Convert 521.85 cm to mm

15) Convert 1.26 dag to dg 16) Convert 99.04 dam to cm

17) Convert 0.51 kL to daL 18) Convert 0.05 m to dm

19) Convert 0.001 km to mm 20) Convert 8.106 hg to cg

21) Convert 17.0186 kL to mL 22) Convert 3 cm to m