

Metric Conversions 2

Name _____

1) What is one advantage to using the metric system?

Part 1: Length (km=kilometer, m=meter, cm=centimeters, mm=millimeters, etc...)

2) The basic unit of length in the metric system is the _____

3) What unit of measurement would I use to measure the length of a snickers bar?

4) What unit of measurement would I use to measure the thickness of a person's hair?

5) What unit of measurement would I use to measure the distance from Cincinnati to Columbus?

6) What unit of measurement would I use to measure a football field?

Convert the following units of measurement

7) 100 m= _____ cm

8) 435 mm= _____ km

9) 45 nm= _____ cm

10) 9873289 μm = _____ cm

11) 765 km= _____ cm _____ m

Part 2: Mass (kg=kilogram, g=gram, cg=centigram, mg= milligram, etc...)

12) The basic unit of mass (weight) in the metric system is the _____

13) What unit of mass measurement would I use to measure a vitamin pill?

14) What unit of mass measurement would I use to measure a person?

15) What unit of mass measurement would I use to measure a small rock?

Convert the following units of measurement

16) 254 kg= _____ g

17) 453286 mg= _____ g

18) 432 dg= _____ kg

19) 987653 ng= _____ mg

20) 0.4567 Mg= _____ mg

Part 3: Volume (kL=kiloliter, L=liters, cL=centiliters, mL=milliliters etc...)

21) The basic unit of measurement for Volume in the metric system is the _____

22) To measure the amount of liquid in a soda can I would use _____

23) To measure the amount of water in a bucket I would use _____

24) To measure the amount of water in a backyard pool I would use _____

Convert the following units of measurement

25) 78965 mL = _____ hL

26) 0.78789 dL = _____ μ L

27) 45 kL = _____ L

28) 4234 mL = _____ kL

Part 4: All Mixed Up

29) 70 cm to m =

35) 6 cL to kL =

30) 8000 g to kg =

36) 412 mL to L =

31) 8.4 μ L to mL =

37) 4.2 ng to mg =

32) 4.1 L to mL =

38) 14.592 Mm to km =

33) 5.3 m to km =

39) 5.2 dkg to g =

34) 598 mg to ng =

40) 59.8 mm to cm =

41) One nickel weighs 5 grams. How many nickels are in 1 kilogram of nickels?