

Metric Measurement Conversions

Use the chart that was shown in class to complete the following conversions.

- | Kilo | Hecto | Deka | (gram,liter,meter) | Deci | Centi | Milli |
|---------------------|--------------|-------------|---------------------------|-------------|--------------|---------------------|
| 1. 3cm = .03m | | | 2. 10m = .010 km | | | 3. 1.3mm = .13 cm |
| 4. 102km = 102000 m | | | 5. 62m = 6200 cm | | | 6. 2cm =.02 m |
| 7. 5km =5,000,000mm | | | 8. 1367mm = .001367 km | | | 9. 26.8m = 2680 cm |
| 10. 19g = .019kg | | | 11.10g = 11100mg | | | 12. 120kg = 120000g |

For the following word problems, show your work and circle your answer.

13. A pond contained 50 fish that have a mass of 800 grams each. What is the total mass of all the fish in the pond in **kilograms**? (keep in mind that this is a two step problem!)

$$50 \times 800 = 40000 \text{ g} = 40.000 \text{ kg}$$

14. You are helping a friend move this turtle aquarium this weekend. The bed of the truck is 2m long. Your friend's aquarium is 1780mm long.

A. How long is the aquarium in **meters**?

$$1780 \text{ mm} = 1.780$$

B. Will the aquarium fit in the bed of the truck?

Yes it fits in the truck.

15. If your heart beats 80 beats per minute, how many times does it beat in an hour?

How many beats per day?

How many beats per year?

How many beats in an 80 year life span?

