

Converting S.I. Units

The easiest way to convert between units in the S.I. system is to write down the all of the units from largest to smallest in a line:

km hm dam m dm cm mm

Now, to convert any units, look at the decimal point in the number you are given:

example: Convert 214.6 cm to meters

Put your finger on the "cm" in the line of units, and move it left two spaces to the "m". Because you had to move your finger two spaces to the left, in the number you should move the decimal point two spaces to the left: 2.146 m

Practice:

- P1. Convert 2.67 hm to meters
- P2. Convert 0.02 mm to decimeters
- P3. Convert 36 km to meters

Problems:

1. Convert 921 cm to meters
2. Convert 0.3 km to meters
3. Convert 2.7 dam to decimeters
4. Convert 41.546 hm to centimeters
5. Convert 21.8 mm to decimeters
6. Convert 304 m to centimeters
7. Convert 263 dm to dekameters
8. Convert 8 m to hectometers
9. Convert 75.5 cm to millimeters
10. Convert 3,250,125.2 mm to kilometers

The same process can be used to convert other S.I. units also:

11. Convert 43.65 L to milliliters
12. Convert 654.8 dg to grams
13. Convert 0.0043 kg to centigrams
14. Convert 54 dL to hectoliters
15. Convert 0.00268 sec to milliseconds