



The following are the conversion factors you will need for this assignment:

1 kilo = 1,000 standard units (1kg=1000g, 1km=1000m)

10 deci = 1 standard unit (10 dg=1g, 10 dm=1m)

100 centi = 1 standard unit (100 cg=1g, 100 cm=1m)

1000 milli = 1 standard unit (1000 mg=1g, 1000 cm=1m)

In this exercise, you will be going from a smaller factor to a bigger factor, so you will always put the conversion factors on the bottom, with the original factor on the top.

1. Convert 2,000 dg to kg.

2. Convert 1,200 decimeters to kilometers.

3. Convert 6,896,000 ml to kl.

4. Jane Blow wanted to do some bungi-jumping. She had to make a bungi-cord out of two different pieces of bungi. One piece was 4,000 cm long when stretched and one was 680 dm long when stretched. If she put the two together, calculate the length of her bungi cord. The bridge she was jumping off of was .11 km high. Would the bungi cord prevent her from hitting the alligator infested waters below???

5. Gertrude and Bertha (two RHP volleyballers) were in a heated debate over who was the better all-around conditioned athlete. Gertrude said she trains regularly by jogging 3,456,000 mm per day, while Bertha contends she jogs farther, running 2.5 km per day. Who jogs the farthest? (Show your work!).