Check Up

1. Use the decimal point strategy to complete the following conversions.

   a. How many centigrams are there in 25 hectograms?

   b. How many kilovolts are there in 77 decavolts? (The symbol for volt is "V".)

☑ Compare your answers.

1. Use the decimal point strategy to complete the following conversions.

   a. How many centigrams are there in 25 hectograms?

   0.01 hg = 100 cg

   Move the decimal point right 4 times to convert from hectograms to centigrams.

   25 hg = 250000 cg

   b. How many kilovolts are there in 77 decavolts? (The symbol for volt is "V".)

   0.1 daV = 0.001 kV

   Move the decimal point left 2 times to convert from decavolts to kilovolts.

   77 daV = 0.77 kV

When converting between units it is important to show all units and how they are eliminated, or why they have changed. This will help prevent mistakes and will make work easier to understand for a reader.

When using any of the strategies listed above, it is always important to ask "Is this new measurement reasonable?" For example, if 20 km is converted to 0.0020 m, you know this is not correct because there should be more than 1 metre in 20 kilometres!