

## Schacht Matchless Whorl Measurement Ruler

1. Print this page, on card stock or heavy paper. Make sure that "Fit to page" is NOT checked on the print dialog box.
2. Check your scale at either line A or line B. At line A, the distance between the dashed lines should be one inch. At line B, the distance between the dashed lines should be one centimeter. If it is not, the ruler will not work correctly.
3. Cut precisely along dashed lines.
4. Gently slide a whorl into the point of the triangle. Make sure that both sides of the ruler are in the same groove.
5. Find the line that goes through the center of the whorl. Follow the line down to read the whorl name, ratio and groove. See Figure 1 below.

L = larger groove S = smaller groove

