

Vernier Callipers Experiment

QUICK GUIDE:

1. Drag moveable part of lower jaw to make jaw separation larger than sample width.
2. Drag sample into lower jaws. Sample will snap into place.
3. Drag moveable jaw blade to close jaws around sample.
4. Read width from scale (see below for how to do this).
5. Type width into 'Sample Width' text box and click 'Check' to see if you were right (green = correct, red = incorrect).
6. Drag a sample out of the jaws (or press 'Reset') to return it to its original place and select a new sample.
7. Click 'New' for a new set of samples with different widths.

To read the caliper scale (see full instructions for more details):

- Find the tick mark on the main scale (upper scale) that is just below the 'zero' mark on the Vernier scale (lower scale). This gives a whole number of millimetres for sample width.
- Locate the tick mark on the Vernier scale that is most closely aligned with any tick mark on the main scale. This gives the number of tenths of a millimetre in the sample width.
- Add the values from the above steps to find the overall sample width.



