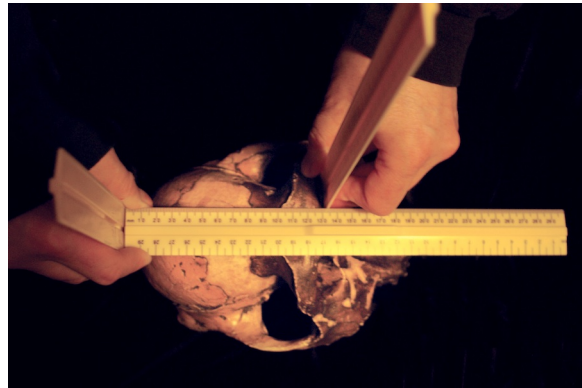


Skull Measurement Guide

L – Length of the brain case: Position three rulers as shown in photograph 1 below. Ruler 1 should stand perpendicular to the table, and rest at the back of the skull. Ruler 2 should also stand perpendicular to the table, but rest on top of the skull, just behind the brow ridge. If a brow ridge is not present, align the ruler against the forehead in the same perpendicular orientation (imagine it flat against your forehead). Ruler 3 should rest on the highest point of the cranium, making sure that it is parallel with the table. Once all 3 rulers are in place, read the distance on Ruler 3 between the 2 upright rulers in mm (see photograph 2 below). Record your data in the first column labeled “L”.



Skull length measurements for two different species: View from the side (left), view from the top (right).

H – Height of the brain case: Without moving the 3 rulers from your measurement of Length, read the height of the skull off Ruler 1 (at the back of the skull) in mm (also see photographs below). Record your data in the first column labeled “H”.



Skull height measurement: view from the side for two different species – note: upright ruler in the front of skull is removed.

Skull Measurement Guide

W – Width of the brain case: Position 3 rulers as shown in the photographs below. Rulers 1 and 2 should stand perpendicular to the table and flat against the skull (imagine 2 rulers flat against where the ears would be positioned). Position Ruler 3 resting on the top of the skull, making sure that it is parallel with the table. Read the distance between Rulers 1 and 2 in mm. Record your data in the first column labeled “W”.



Skull width measurement for two different species with the three rulers perpendicular to each other. Note the placement of the upright rulers on the sides: for the species on the right photograph, the rulers are not at the widest point of the skull (the ‘zygomatic arch’ or cheek bone), but at the widest point of the brain case further back.