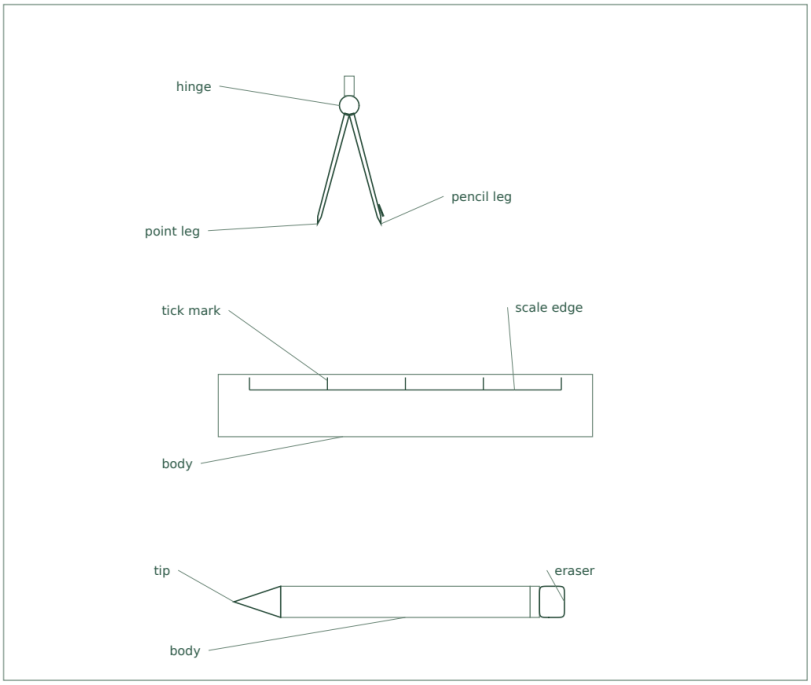
Draw and Label Common Drawing Instruments

Ordinary topic reference / separately checked pixels

Drawing instruments / selected schematic forms and dimensions, not drafting standards



One practice box / three labelled instruments. Ruler ratio 6:1 and five evenly spaced ticks; pencil BODY ratio 8:1, with separate tip, band and eraser. The compass has a true 30 degree opening.

Draw and Label Common Drawing Instruments

Original worked example / unchanged complete key

Prompt: Sketch a pencil from observation and label three parts: body, tip, and eraser. Use a body about eight times longer than its width as a hypothetical proportion.

Answer: Draw a narrow rectangle for the body, about 8 units long and 1 unit wide. Taper one end to a short point for the tip. At the other end, add a small band and a rounded eraser. Label body along the middle, tip at the point, and eraser at the rounded end. Leader lines should not cross.

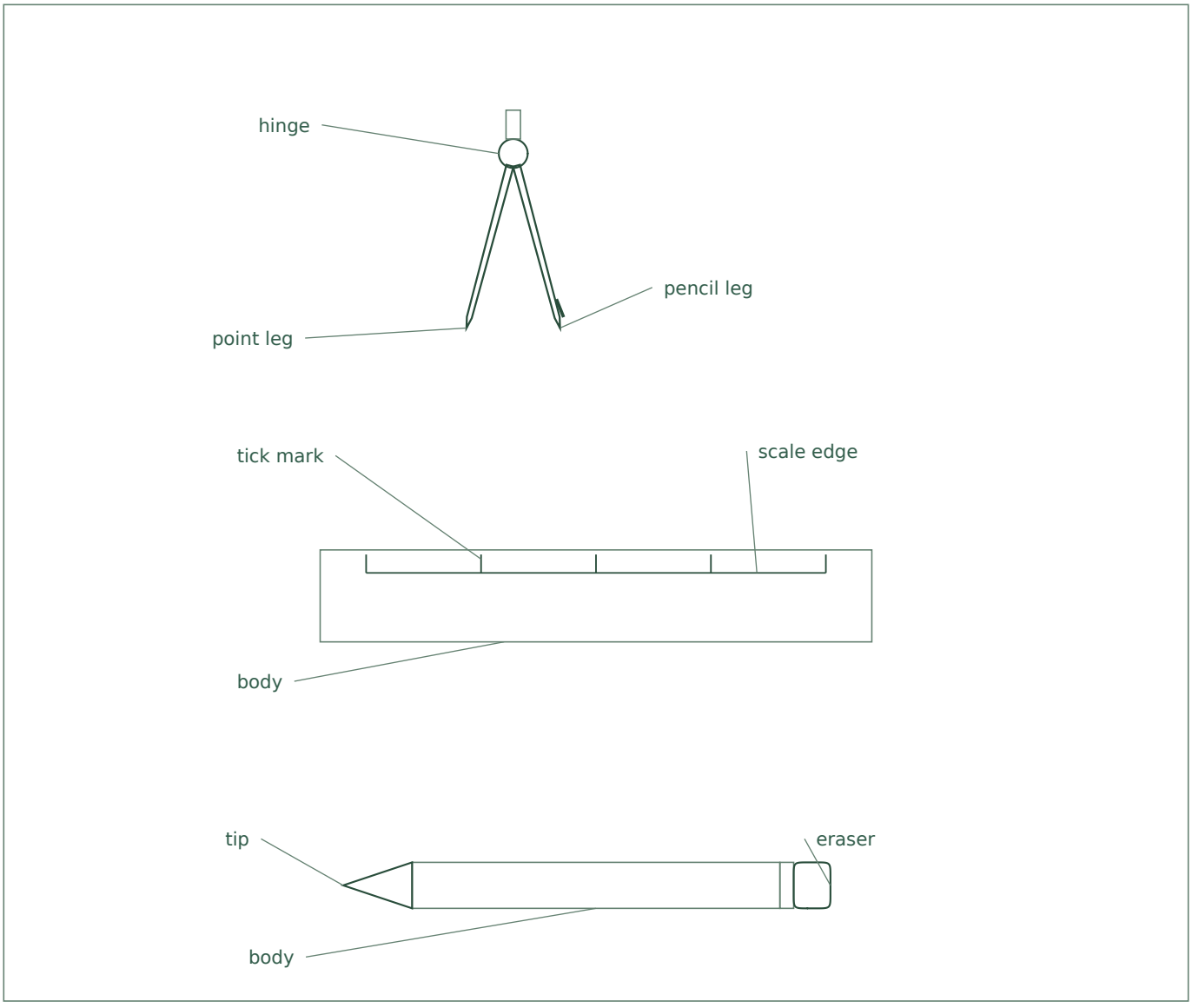
Reason: The rectangle sets the main proportion, the taper creates the tip, and the band plus rounded shape creates the eraser. Labels point to distinct features.

Check: Measure your drawn body: if it is 8 cm long, its width should be about 1 cm. Check that each label line touches only its named part.

Draw and Label Common Drawing Instruments

Worked reference / reference

Drawing instruments / selected schematic forms and dimensions, not drafting standards



One practice box / three labelled instruments. Ruler ratio 6:1 and five evenly spaced ticks; pencil BODY ratio 8:1, with separate tip, band and eraser. The compass has a true 30 degree opening.