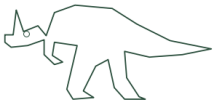
Ceratosaurus Scale Drawing: Plan a Cutout with a Scale Bar

Ordinary topic reference / separately checked pixels

Hypothetical Ceratosaurus cutout / nasal horn, body, small arms, hind limbs and long tail





nominal paper cm; intended real span 60 cm

Worked: hypothetical real50 cm / drawing5 cm gives1:10. Head longitudinal projection10 mm corresponds to10 cm real, tail projection20 mm to20 cm real. The six-centimetre divided scale-bar example represents60 cm at1:10 and is separate from this50 mm animal length. No actual dinosaur species size is asserted.

Ceratosaurus Scale Drawing: Plan a Cutout with a Scale Bar

Original worked example / unchanged complete key

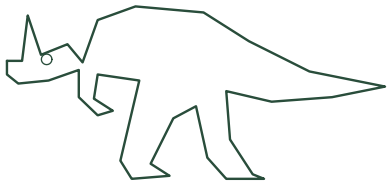
Prompt: A hypothetical Ceratosaurus cutout is planned at 50 cm real length. The drawing is 5 cm long. The drawn head is 1.0 cm and the drawn tail is 2.0 cm. Find the scale ratio and the real head and tail lengths.

Answer: Scale ratio = 5 cm divided by 50 cm = 1:10. Real head = 1.0 cm times 10 = 10 cm. Real tail = 2.0 cm times 10 = 20 cm. Check: 10 cm plus 20 cm is less than 50 cm, leaving 20 cm for the body, which is consistent with the planned total.

Ceratosaurus Scale Drawing: Plan a Cutout with a Scale Bar

Worked diagram / reference

Hypothetical Ceratosaurus cutout / nasal horn, body, small arms, hind limbs and long tail





nominal paper cm; intended real span 60 cm

Worked: hypothetical real50 cm / drawing5 cm gives1:10. Head longitudinal projection10 mm corresponds to10 cm real, tail projection20 mm to20 cm real. The six-centimetre divided scale-bar example represents60 cm at1:10 and is separate from this50 mm animal length. No actual dinosaur species size is asserted.