Ceratosaurus Scale Drawing: Plan a Cutout with a Scale Bar

Original task 1 / independent drawing and calculation

Task 1

A drawing is 8 cm long and represents a 40 cm cutout. What is the scale ratio? If the drawn hip height is 2 cm, what real height does it represent?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

On a grid, the snout tip is at square 0. The shoulder is 6 squares right and 2 squares up. The hip is 10 squares right and 1 square down. Describe how to plot these points on a blank panel with identical squares.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

A scale bar shows divisions of 0, 2, 4, 6 cm. The printed bar measures 6.2 cm with a ruler. The planned ratio is 1:10. What is the corrected ratio using the measured bar?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

A cutout outline has a drawn body length of 7 cm at 1:8. A cut margin of 0.5 cm is added around the outline. What real length does the margin represent, and what is the total drawn length including one margin on each end?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

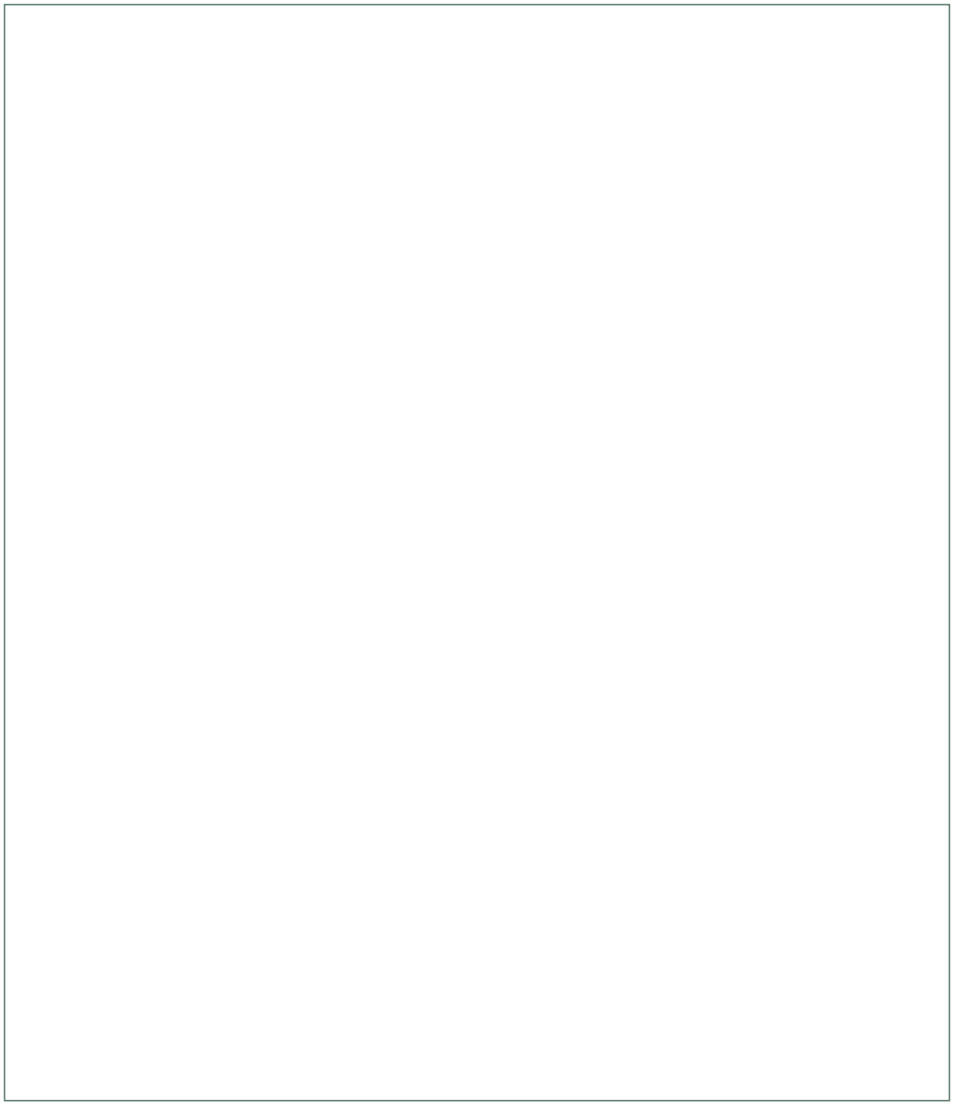
Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.

Ceratosaurus Scale Drawing: Plan a Cutout with a Scale Bar

Task 1 / practice

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

TASK 1 / A drawing is 8 cm long and represents a 40 cm cutout. What is the scale ratio? If the drawn hip height is 2 cm, what real height does it represent?



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Task 2 / practice

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

TASK 2 / On a grid, the snout tip is at square 0. The shoulder is 6 squares right and 2 squares up. The hip is 10 squares right and 1 square down. Describe how to plot these points on a blank panel with identical squares.



Ceratosaurus Scale Drawing: Plan a Cutout with a Scale Bar

Task 3 / practice

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

TASK 3 / A scale bar shows divisions of 0, 2, 4, 6 cm. The printed bar measures 6.2 cm with a ruler. The planned ratio is 1:10. What is the corrected ratio using the measured bar?



nominal paper cm; intended real span 60 cm

Ceratosaurus Scale Drawing: Plan a Cutout with a Scale Bar

Task 4 / practice

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

TASK 4 / A cutout outline has a drawn body length of 7 cm at 1:8. A cut margin of 0.5 cm is added around the outline. What real length does the margin represent, and what is the total drawn length including one margin on each end?

