Life-Size Black Bear Paw Print: True-Scale Layout and Scaling

Original tasks 1, 2 / independent work

Task 1

A full-size print is 20 cm long and 16 cm wide. Calculate the length and width at 50% and at 25%.

Task 2

A drawn outline has a pad height of 6 cm and a toe arc height of 11 cm. The recorded overall length is 18 cm. Does the layout check within 0.5 cm?

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Original tasks 3, 4 / independent work

Task 3

At 1:1 the main pad is 9 cm wide. A student draws a 25% outline with a pad 3 cm wide. Is the proportion correct?

Task 4

A comparison strip shows a 50% outline 9 cm long and a 25% outline 5 cm long. The full-size outline is 18 cm long. Which reduced outline is inconsistent, and by how much?