Desert Mountains Drawing: Layered Ridges and Cacti

Original tasks 1, 2 / independent work

Task 1

A hypothetical panel is 20 cm wide with 3 cm margins on each side. You place two cacti with one gap between them. Find the gap width.

Task 2

A background cactus is 2 cm tall, a midground cactus is 4 cm tall, and a foreground cactus is 7 cm tall. State whether the scale order is correct and why.

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Original tasks 3, 4 / independent work

Task 3

On a hypothetical 24 cm tall panel, ridge guides are planned at 6 cm, 12 cm, and 18 cm from the top. Find the spacing between consecutive guides and state whether the spacing is equal.

Task 4

A foreground cactus trunk is drawn 5 cm tall with its base on the foreground ridge. Its left arm attaches 1 cm above the base. State whether the arm attachment is above the trunk midpoint and give the midpoint height.