Cavern Drawing: Rock Arch, Stalactites, and Depth Layering

Original tasks 1, 2 / independent work

Task 1

A frame is 10 cm wide and 8 cm high. Mark a far-layer line at 2.5 cm from the top and a near-layer line at 2.5 cm from the bottom. What is the height of the middle layer?

Task 2

You draw an arch with pillars 5 cm apart in a frame 15 cm wide. Is this close to the suggested one-third proportion? Show the arithmetic.

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Original tasks 3, 4 / independent work

Task 3

You plan eight stalactites. You want three in the far layer, three in the middle layer, and the rest in the near layer. How many stalactites are in the near layer?

Task 4

A stalactite is shaded with light from the upper left. The left side uses the lightest value and the right side uses the darkest value. The background rock behind it is the same value as the left side. What is the main problem, and how do you fix it?