Moonlight Night Drawing: Silhouettes and Cast Shadows

Original tasks 1, 2 / independent work

Task 1

A moon center is 5 cm above the horizon. A post is 3 cm tall on the horizon. Using a shadow ratio of 1.5, state the shadow length and direction.

Task 2

Two trees stand at the same distance from the moon. Tree A is 4 cm tall with a 6 cm shadow. Tree B is 6 cm tall. Using the same ratio, what shadow length should Tree B have?

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Original tasks 3, 4 / independent work

Task 3

A silhouette covers the moon center. State one fix that keeps the scene readable as a moonlight night drawing.

Task 4

A ground area is shaded medium, and a silhouette is shaded light. State the correction and why it matters.