Draw a Volcanic Island: Layered Steps for Crater, Lava and Shoreline

Original tasks 1, 2 / independent work

Task 1

A frame is 10 units wide. The island center is at 5 units. The cone base spans 3 units. What is the left edge of the cone base in units from the left side of the frame?

Task 2

A cone base is 6 units wide. A crater oval is 2.5 units wide. Does the crater pass the one-third check? Show the arithmetic.

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Original tasks 3, 4 / independent work

Task 3

Two lava branches start at the same point on the cone. Branch A is 4 units long and ends at a shoreline tick. Branch B is 3 units long and stops 1 unit short of its tick. How much longer must Branch B be to reach its tick?

Task 4

A scene has 7 foreground rocks. The crater oval is 1.5 units wide. A rock is 2 units wide. State two separate fixes using the lesson limits.