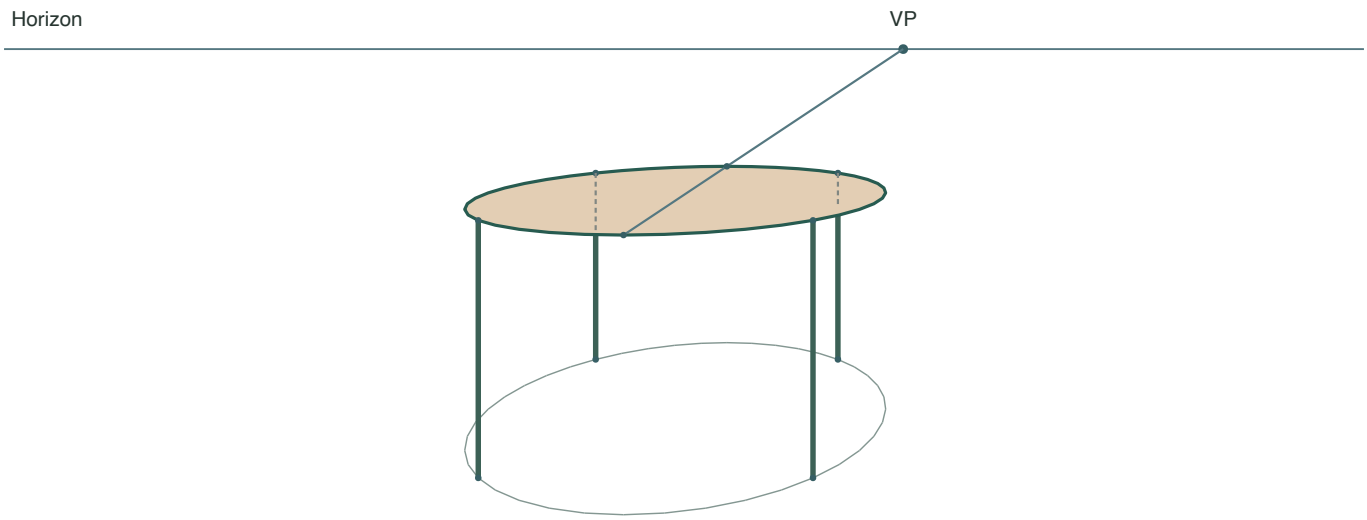
Draw a Round Table in Perspective

Reference | Worked construction | LETTER

Original prompt

Worked example: a round table seen slightly from above, with the vanishing point to the right.



Blue line through the tabletop: depth diameter

Dotted leg parts are hidden. Pale ring marks the footprint.

Answer

Put the depth point to the right. The tabletop sits below the horizon. Extend its marked front-to-back diameter to the depth point. Place four legs over the matching world positions on the differently projected floor circle. The two near legs are visible. Dots show where the top hides part of each far leg.

Reasoning

The projection uses two circles with one centre in plan and equal real diameters. They sit at different heights. Corresponding points therefore connect by vertical lines in the level view.

Check

Check that the marked diameter reaches the depth point. Match each vertical leg to the point underneath on the floor footprint. Look for the top occluding part of each far leg.