Draw a Mars Disk with Surface Feature Shading

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

A circle has a measured diameter of 60 mm. You plan a cap depth of 6 mm and a limb band of 3 mm. Confirm the proportions and describe where to place two dark patches.

Answer: Radius is 30 mm. Cap depth 6 mm is one tenth of the diameter and one fifth of the radius. Limb band 3 mm is one twentieth of the diameter. Place one elongated dark patch across the upper middle latitude and one across the lower middle latitude, leaving a light gap at the center and a thin light rim at the limb. Shade the limb with a 3 mm mid-tone band, then add a soft terminator on one side.