Pencil Galaxy Drawing: Star Placement, Spiral Shading, and Tonal Blending

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

Draw a pencil galaxy on a rectangle divided into a 4 by 4 grid. Plan 4 stars in each of the four center cells and 2 stars in each of the twelve outer cells. Draw two spiral arms rotating clockwise, shade the center darkest, and blend to show three tonal steps. Check star counts and spiral direction.

Answer: The rectangle has 16 cells. Center cells total 4 times 4 equals 16 stars. Outer cells total 12 times 2 equals 24 stars. Total stars equal 40. Two clockwise guide curves are drawn from center to edge. The center is shaded dark, mid arms medium, outer arms light, giving three tonal steps. Star counts match the plan and both guides rotate clockwise.