Starburst Drawing: Varied Spikes and Center Burst Shading

Original task 1 / independent drawing and calculation

Task 1

Draw a starburst with six spikes on a six-line radial grid (every 60 degrees). Use a center circle radius of 1 cm. Make spike lengths alternate: 3 cm, 2 cm, 3 cm, 2 cm, 3 cm, 2 cm. Shade the center with hatching lines that are denser at the center.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Starburst Drawing: Varied Spikes and Center Burst Shading

Original task 2 / independent drawing and calculation

Task 2

Draw a starburst with eight spikes. Use a center circle radius of 1.5 cm. Assign spike lengths in a pattern: 4 cm, 3 cm, 2 cm, 3 cm, 4 cm, 3 cm, 2 cm, 3 cm. Shade the center using stippling with dots denser at the center.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Starburst Drawing: Varied Spikes and Center Burst Shading

Original task 3 / independent drawing and calculation

Task 3

Draw a starburst with ten spikes on a ten-line radial grid (every 36 degrees). Use a center circle radius of 1.2 cm. Choose each spike length from the set {2, 2.5, 3, 3.5, 4} cm, and make sure no two adjacent spikes have the same length. Shade the center with a pencil gradient, darkest at the center point and lightest at the circle edge.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Starburst Drawing: Varied Spikes and Center Burst Shading

Original task 4 / independent drawing and calculation

Task 4

Draw a starburst with twelve spikes on a twelve-line radial grid (every 30 degrees). Use a center circle radius of 1 cm. Use a repeating length pattern of 3.5 cm, 2.5 cm, 3 cm, 2.5 cm (repeat three times). Shade the center with cross-hatching that is denser at the center.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.