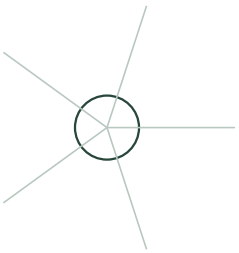
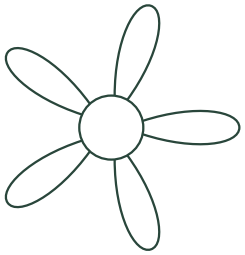
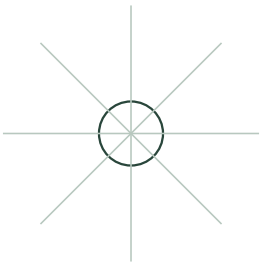
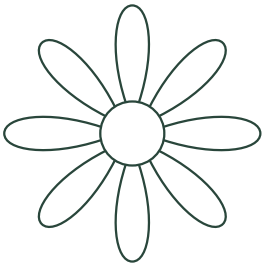
Draw a Flat 2D Flower: Simplified Petal Method

CONSTRUCTION PLATE / FIVE AND EIGHT PETALS

1. Center circle	2. Equal angular guides	3. Final contour
		
Choose radius r	5 guides / 72 degrees	5 petals / guides erased

Reduced schematic: hypothetical r=1 cm; petal length L=3 cm from circle edge.

1. Center circle	2. Equal angular guides	3. Final contour
		
Choose radius r	8 guides / 45 degrees	8 petals / guides erased

Reduced schematic: hypothetical r=1 cm; petal length L=3 cm from circle edge.

Use the same narrow rounded profile for each petal. In these examples each base meets the center circle at 12 degrees either side of its guide. Other consistent widths and tip styles are valid if petals do not cross.

Top row: 360 / 5 = 72 degrees. Bottom row: 360 / 8 = 45 degrees. Keep the center circle, then erase the radial guides from the final contour.

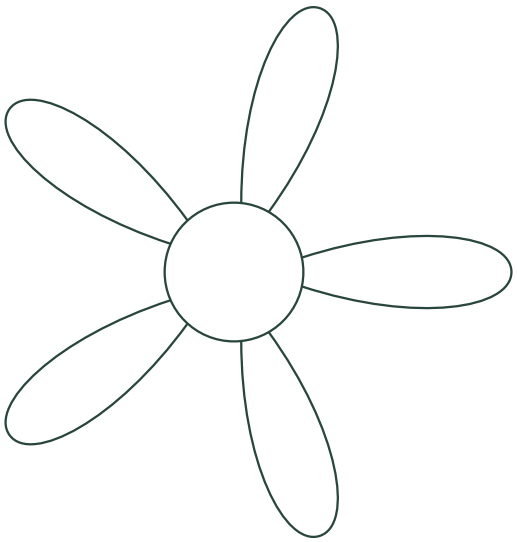
Reference and answer figures are reduced illustrations, not centimetre rulers. Petal length L starts at the center circle edge. The student grid has 5 mm squares only when printed at Actual Size / 100%; verify your printer.

Draw a Flat 2D Flower: Simplified Petal Method

WORKED EXAMPLE / ONE VALID FIVE-PETAL FLOWER

Draw a flat 2D flower with five simplified petals using a center circle of hypothetical radius 1 cm and petal length 3 cm from the center circle edge. Show the spacing calculation and the outline-only result.

5 petals / spacing 72 degrees



One valid example: r=1 cm; L=3 cm. Illustration is reduced, not a ruler.

Divide 360 by 5 to get 72 degrees. Mark ticks at 0, 72, 144, 216, and 288 degrees on the center circle. Draw five simplified petal contours, each starting and ending at the center circle, with the same width convention. Erase radial guides. The final drawing has one center circle and five evenly spaced outline petals, with no shading or overlap.

Use the same narrow rounded profile for each petal. In these examples each base meets the center circle at 12 degrees either side of its guide. Other consistent widths and tip styles are valid if petals do not cross.

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