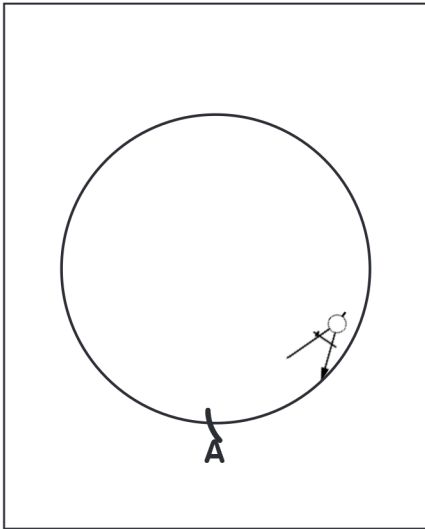
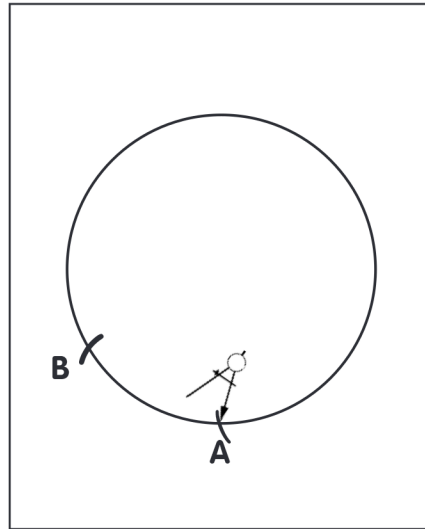


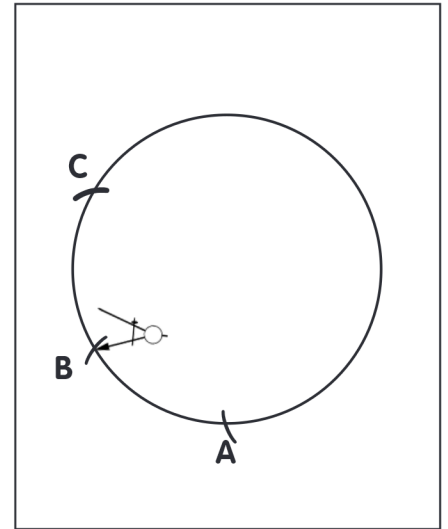
# CIRCLE DESIGN WITH SIXFOLD SYMMETRY – Geometric Design



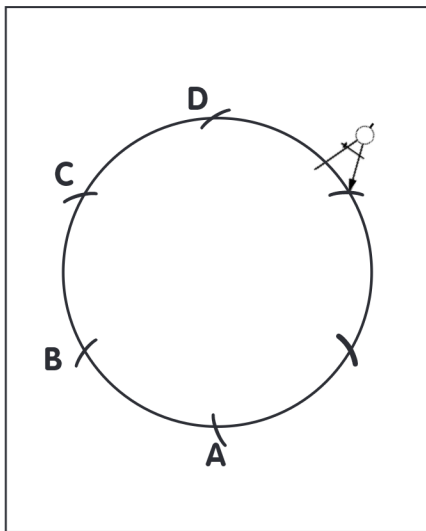
- 1. DIVIDE A CIRCLE INTO 6 EQUAL PARTS**
  - Draw a circle.
  - Keep the radius of the compass the same.
  - Place the point of the compass anywhere on the circumference
  - Draw a short arc to intersect the circumference at point **A**.



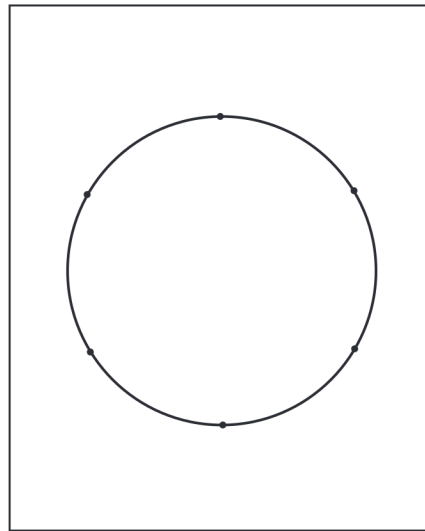
- Keep the radius of the compass the same.
  - Place the point of the compass on point **A**.
  - Draw a short arc to intersect the circumference at point **B**.



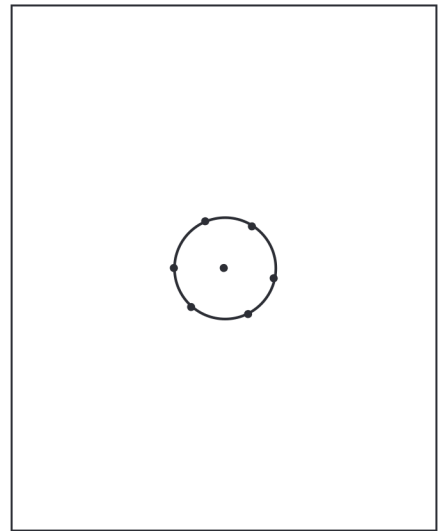
- Keep the radius of the compass the same.
  - Place the point of the compass on point **B**.
  - Draw a short arc to intersect the circumference at point **C**.



- Continue in this way until the circle has been divided into 6 equal parts.

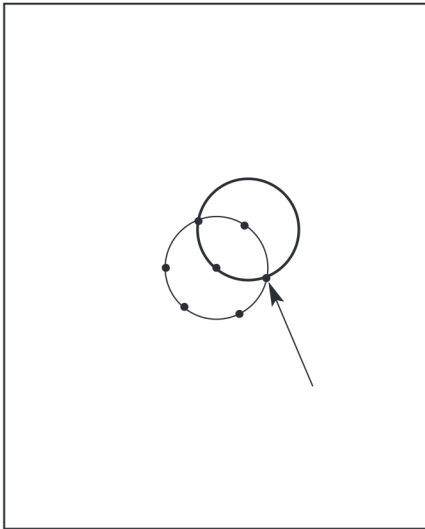


- Erase all the construction lines.

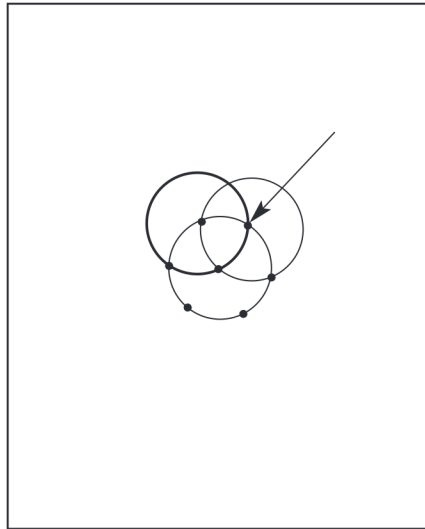


- 6. CIRCLE DESIGN WITH SIXFOLD SYMMETRY**
  - Draw a small circle and divide it into 6 equal parts.

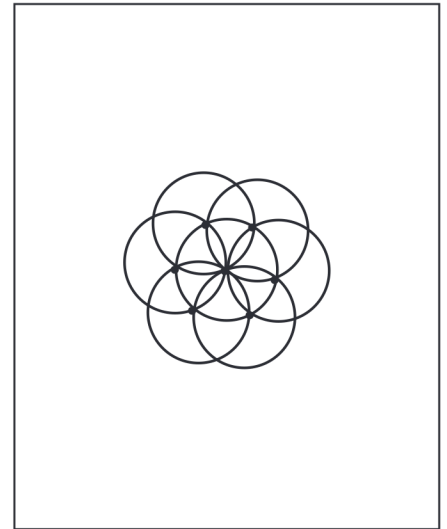
# CIRCLE DESIGN WITH SIXFOLD SYMMETRY – Geometric Design



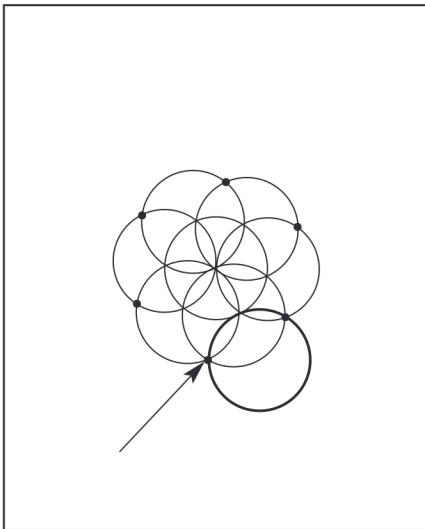
- 7.
- Keep the radius the same for **all** the circles.
  - Place the tip of the compass on one of the 6 points on the circumference of the circle.
  - Draw a circle - it should pass through the centre of the circle.



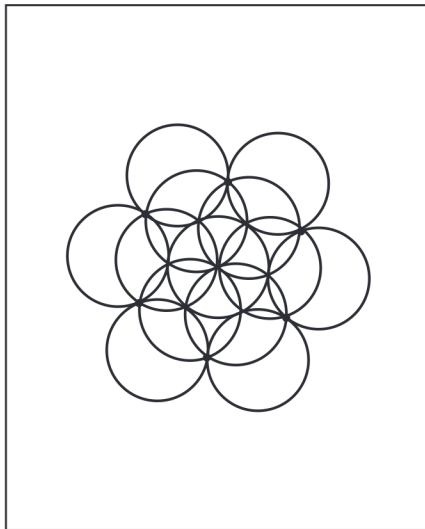
- 8.
- Place the tip of the compass on the next point on the circumference of the circle.
  - Draw a circle - it should pass through the centre of the circle and one of the other points.



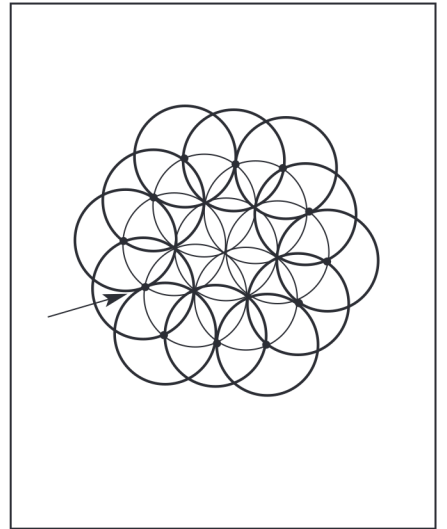
- 9.
- Repeat these steps for all 6 points on the circumference of the circle.



- 10.
- Continue the design.
  - Place the tip of the compass on one of the 6 intersecting points of the outer circles.
  - Draw a circle - it should pass through the centre of the adjacent inner circle.



- 11.
- Repeat these steps for all 6 intersecting points on the circumference of the circle.



- 12.
- Place the tip of the compass on one of the 12 intersecting points of the outer circles.
  - Draw a circle - it should pass through the centre of adjacent inner circles.
  - Repeat this step for all 12 intersecting points on the circumference of the circle.