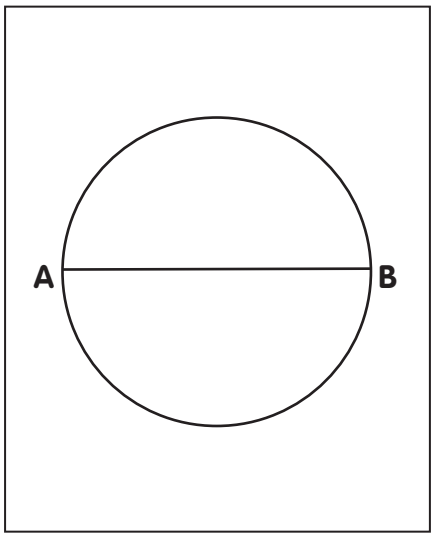
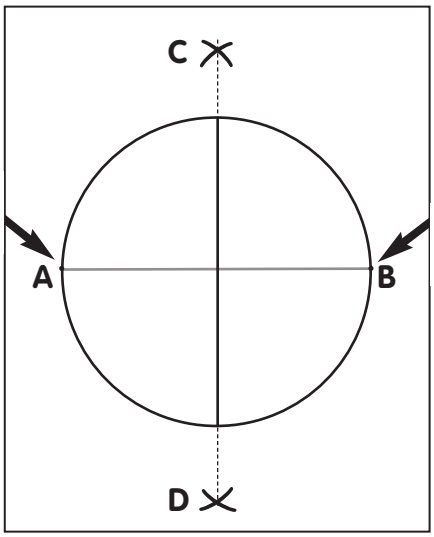
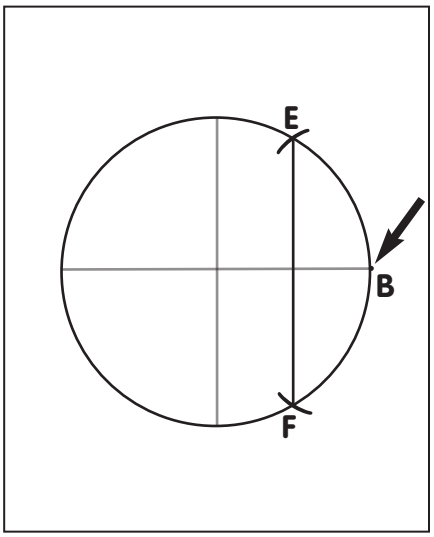
HOW TO DIVIDE A CIRCLE INTO FIVE EQUAL PARTS – Geometric Design



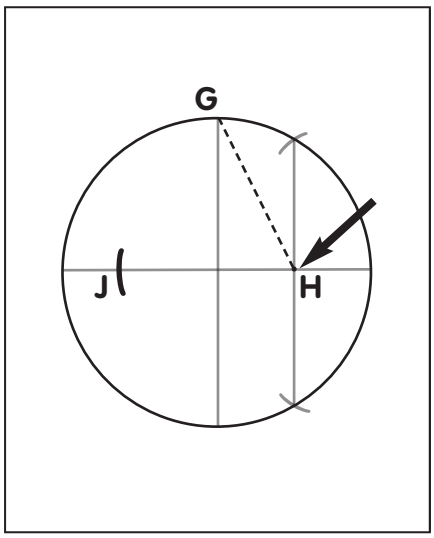
1.
- Draw a circle with a horizontal diameter – **AB**.



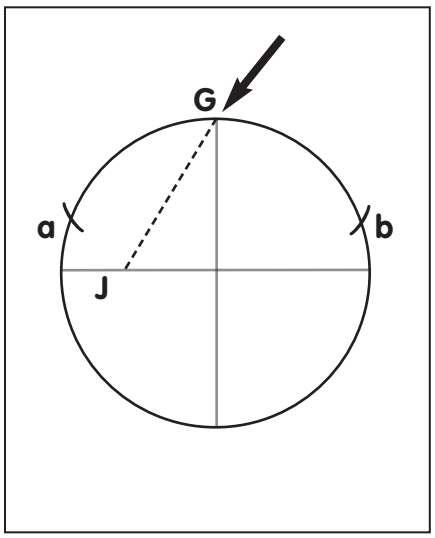
2.
- Enlarge the radius of the compass.
- Place the point of the compass on point **A**. Draw a short arc above and below the circle.
- Keep the compass open at the same radius.
- Place the point of the compass on point **B**. Draw short arcs above and below the circle to intersect the other arcs.
- Draw a vertical line that connects the intersection points **C** and **D**.



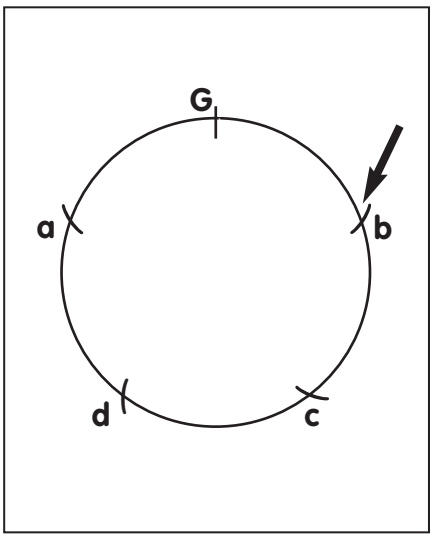
3.
- Set the compass to the radius of the original circle.
- Place the point of the compass on point **B**.
- Draw 2 short arcs that intersect the circumference of the circle – **E** and **F**.
- Draw a vertical line that connects the intersection points **E** and **F**.



4.
- Set the radius of the compass the length of **GH**.
- Place the point of the compass on **H**. Draw a short arc that crosses the horizontal diameter on the left – **J**.



5.
- Set the radius of the compass the length of **GJ**.
- Place the point of the compass on **G**. Draw 2 short arcs that intersect the circumference on the left and right – **a** and **b**.



6.
- Keep the radius of the compass the same.
- Move the compass point to **b**. Draw a new short arc that intersects the circumference at **c**.
- Move the compass point to **c**. Draw a new short arc that intersects the circumference at **d**.