

Match each expression to the appropriate step to construct the bisector angle

After doing this

Your work should look like this

. Without changing the compass setting repeat for the other side so that the two arcs cross.

Without changing the compass' width, draw an arc that intersects both sides of the angle.

. Place the compass' needle on the angle's vertex Q.

Done. This is the bisector of the angle \widehat{PQR} .

. Draw an arc from each of these points of intersection so that the arcs intersect in the interior of the angle.

Using a ruler, draw a semi –line from the vertex to the intersection of the two arcs drawn during the previous step.

