

**BISECTING AN ANGLE**

Remember! Bisect means cut in half. In this activity you will learn how to cut an angle in half. Place the steps in order and match the diagram with each step.

a) 
- The arcs meet at \( Z \).
- Join \( QZ \)
- \( BZ \) bisects \( PQR \)

b) 
- Put the compass point on \( X \)
- Use the same radius as step 1.
- Draw another arc.

c) 
- Put the compass point on vertex \( Q \) of the angle.
- Use any convenient radius.
- Draw an arc which cuts \( QR \) at \( X \) and \( BA \) at \( Y \).

d) 
- Put the compass point on \( Y \).
- Use the same radius as step 1.
- Draw another arc.