

Lesson 7 Assessment

Constructing Bisectors

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Describes examples of perpendicular and angle bisectors in the environment

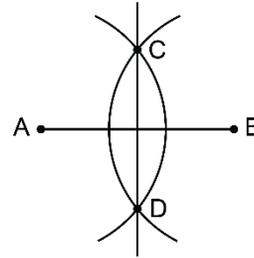
For example, a perpendicular bisector divides a granola bar into two equal parts and an angle bisector divides a slice of pizza into two equal parts.

Explains how to identify perpendicular and angle bisectors

I can measure the two parts of the line segment to check they are equal, and measure the angles at the intersection to check each is 90° .

I can measure the two angles formed by the bisector. They should be equal.

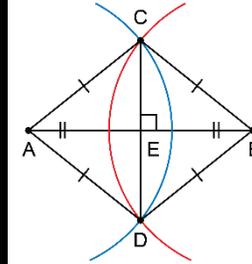
Constructs perpendicular and angle bisectors



I drew line segment AB. Using a compass setting greater than one-half the length of AB, I drew arcs from A and B. Then I used a ruler to join the two points where the arcs intersected to create the perpendicular bisector.

Solves problems involving perpendicular and angle bisectors

How can you use perpendicular bisectors to draw a rhombus?



The diagonals of a rhombus are perpendicular bisectors of each other. I drew line segment AB. Next, I used a compass to draw the perpendicular bisector CD. Then, I drew AC, CB, BD, and DA.

Observations/Documentation