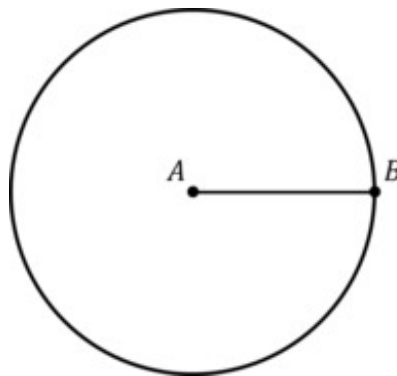


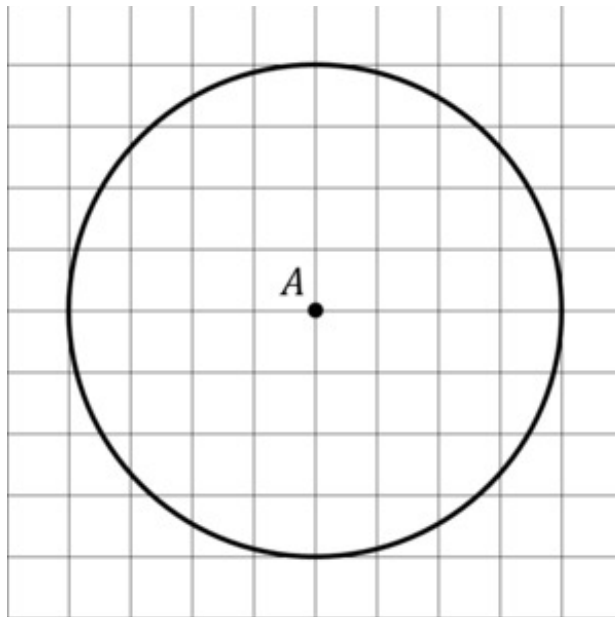
7.G The Circumference of a Circle and the Area of the Region it Encloses

Task

- a. What is the definition of a circle with center A and radius r ?
- b. A circle has center A and radius AB . Is point A on the circle? Is point B on the circle? Explain.



- c. Imagine that a circle with center A is drawn on $1/4$ inch grid paper as shown below. What is the radius of the circle?



- d. Use the grid to estimate the circumference of the circle.
- e. Use the grid to estimate the area of the region enclosed by the circle.
- f. What are you measuring when you find the circumference of a circle? What are you measuring when you find the area of a circle?



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