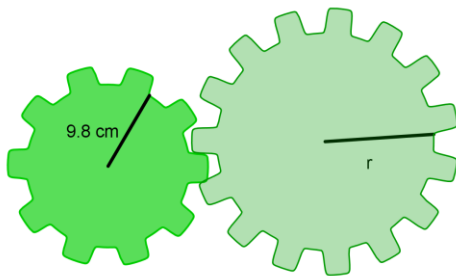


1. A circle has radius 7.64 ft. Find the length of the arc intercepted by a central angle of measure  $235^\circ$ .

2. Find the radius of the larger wheel in the figure if the smaller wheel rotates  $50.0^\circ$  when the larger wheel rotates  $30.0^\circ$ .



3. Find the area of a sector of a circle having radius  $r = 59.8$  km and central angle  $\theta = 125^\circ$ .

Q: What goes around the world but stays in a corner?