Calculate each arc length.

1. Circumference = 6232.92 in
   \[\widehat{AC} = \]

2. Circumference = 408.41 km
   \[\widehat{DF} = \]

3. Circumference = 18.85 mi
   \[\widehat{GJ} = \]

4. Circumference = 226.19 in
   \[\widehat{RT} = \]
Calculate each arc length.

Circumference = 6232.92 in
\[ \overset{\frown}{AC} = \frac{147}{360} \times 6232.92 = 2545.11 \text{ in} \]

Circumference = 408.41 km
\[ \overset{\frown}{DF} = \frac{136}{360} \times 408.41 = 154.29 \text{ km} \]

Circumference = 18.85 mi
\[ \overset{\frown}{GJ} = \frac{124}{360} \times 18.85 = 6.49 \text{ mi} \]

Circumference = 226.19 in
\[ \overset{\frown}{RT} = \frac{164}{360} \times 226.19 = 103.04 \text{ in} \]