Calculate the arc length and area of each shape.


Calculate the arc length and area of each shape.


For a sector of $60^{\circ}$ :
A full circle is $360^{\circ}$ The sector angle is $60^{\circ}$

$$
\begin{aligned}
\text { Arc length of sector } & =\frac{60}{360} \times \pi \times 2 r \\
& =3.13 \mathrm{~cm}
\end{aligned}
$$

$$
\begin{aligned}
\text { Area of sector } & =\frac{60}{360} \times \pi \times r^{2} \\
& =47.2 \mathrm{~cm}^{2}
\end{aligned}
$$

Arc length (circumference) of full circle $=\pi \times 2 r=18.8 \mathrm{~cm}$ Area of full circle $=\pi \times r^{2}=28.3 \mathrm{~cm}^{2}$

