

## Circles and Arcs

Find the measure of each arc in  $\odot B$ .

1.

$\widehat{GJ}$

2.

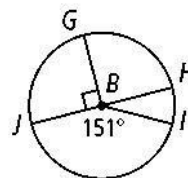
$\widehat{GJI}$

3.

$\widehat{HGJ}$

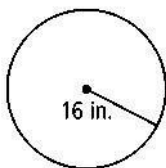
4.

$\widehat{HJI}$

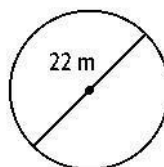


Find the circumference of each circle. Leave your answers in terms of  $\pi$ .

5.



6.



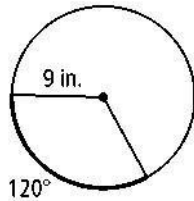
7.

The wheels on Reggie's bike each have a 20-in. diameter. His sister's mountain bike has wheels that each have a 26-in. diameter. To the nearest inch, how much farther does Reggie's sister's bike travel in one revolution than Reggie's bike?

8. A Ferris wheel has a 50-m radius. How many kilometers will a passenger travel during a ride if the wheel makes 10 revolutions? Round your answer to the nearest tenth of a kilometer.

**Find the length of the darkened arc. Leave your answer in terms of  $\pi$ .**

**9.**



10. It is 5:00. What is the measure of the minor arc formed by the hands of an analog clock?