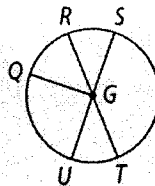


Name the following in $\odot G$.

1. the minor arcs
2. the major arcs
3. the semicircles



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

4. \widehat{GJ}

5. \widehat{HI}

6. \widehat{HIJ}

7. \widehat{GJI}

8. \widehat{GHJ}

9. \widehat{GJH}

10. \widehat{HGI}

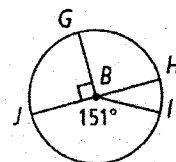
11. \widehat{GH}

12. \widehat{GHI}

13. \widehat{HJI}

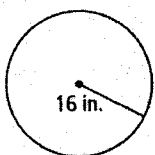
14. \widehat{JHI}

15. \widehat{JIG}

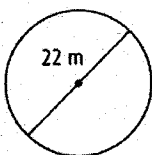


Find the circumference of each circle. Leave your answers in terms of π .

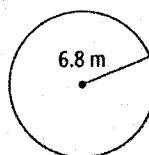
16.



17.

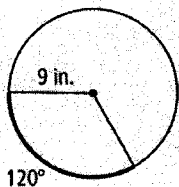


18.

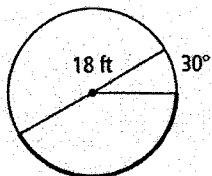


Find the length of each darkened arc. Leave your answer in terms of π .

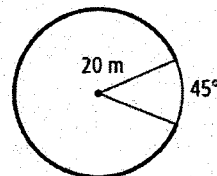
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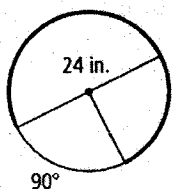
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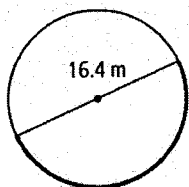
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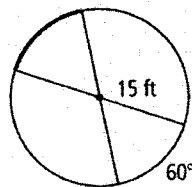
26.



27.

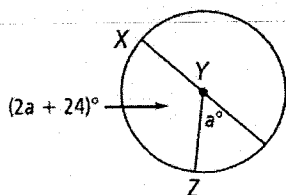


28.

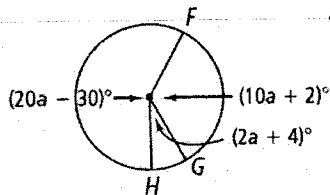


Algebra Find the value of each variable.

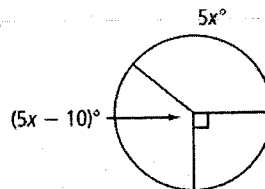
38.



39.

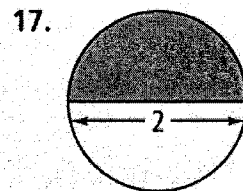
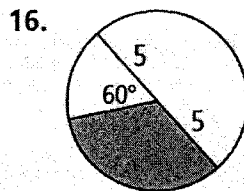
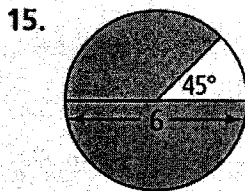
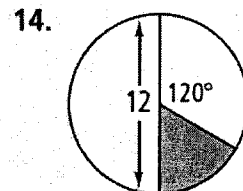
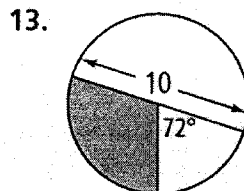
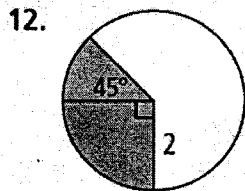
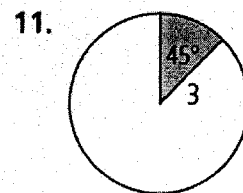
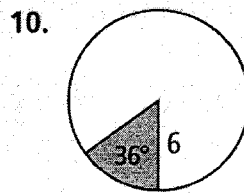
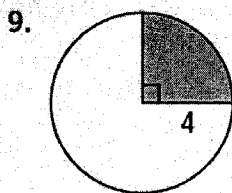


40.



20. 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?
21. 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 area of each shaded sector of a circle. Leave your answer in terms of π .



Find the area of sector RST in $\odot S$ using the given information. Leave your answer in terms of π .

22. $r = 3$ in., $m\widehat{RT} = 30$

23. $r = 8$ mm, $m\widehat{RT} = 90$

24. $d = 10$ ft, $m\widehat{TR} = 180$

25. $d = 13$ m, $m\widehat{TR} = 120$