Name______Hr____

What fraction of each circle is shaded?



Find the length of each arc that intercepts the shaded sector.









10.





11.

8.



Find the Circumference of the following circles.

13. 14. 28 mm

The radius, diameter, or circumference of a circle is given. Find the missing measures. Round your answers to the nearest hundredth if necessary.

15.	r = 7 mm, d =	, <i>C</i> =	·
16.	$C = 26\pi mi, d =$, r =	
17.	<i>d</i> = 26.8 <i>cm</i> , <i>r</i> =	, C =	
18.	C = 76.4 m, d =	, <i>r</i> =	

Given the Circumference Find the radius of a circle.

19. $C = 9 \ cm$ 20. $C = 15 \ cm$ 21. $C = 64 \ cm$

Find the EXACT (leave π in you answer) circumference of the circle. (figures not to scale)



Consider a standard 12 hour clock like the one below with a radius of 5 inches. Use this to answer questions 26-27. (Always use the shortest distance)

26. What is the length of the arc between the 3 and the 7?



27. It is 7:20. What is the length of the arc between the minute and hour hands?