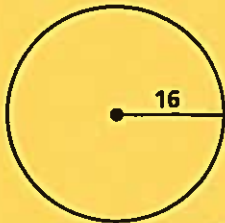


Practice 10-6

Circles and Arcs

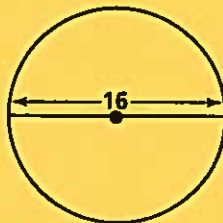
Find the circumference of each circle. Leave your answers in terms of π .

1.



$C = 32\pi$

2.



$C = 16\pi$

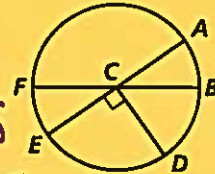
3.



$C = 7.8\pi$

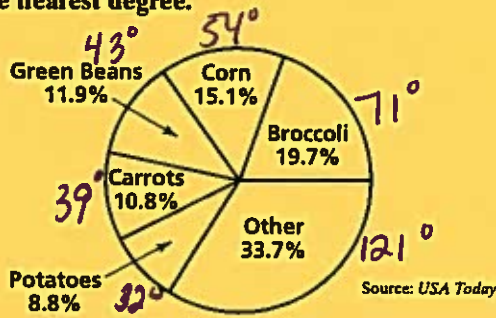
In $\odot C$, \overline{EA} and \overline{FB} are diameters. Identify the following.

- 4. two major arcs \overline{FEA} , \overline{BEA}
- 5. two minor arcs \overline{AB} , \overline{BD}
- 6. two semicircles \overline{FLB} , \overline{ACE}
- 7. a pair of adjacent arcs \overline{AB} , \overline{BD}
- 8. an acute central angle $\angle ACB$
- 9. an obtuse central angle $\angle BCE$



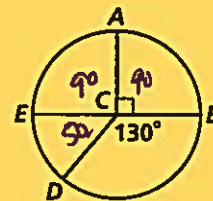
A market research survey found that adults' favorite vegetables are as shown below. Find the measure of the central angle for each of the following vegetables. Give your answers to the nearest degree.

- 10. potatoes 32°
- 11. green beans 43°
- 12. corn 54°
- 13. carrots 39°
- 14. broccoli 71°



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

- 15. \overline{AE} 90°
- 16. \overline{ED} 50°
- 17. \overline{DBA} 220°
- 18. \overline{AED} 140°
- 19. \overline{ABD} 220°
- 20. \overline{BD} 130°



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

- 21. \overline{AB}
- 22. \overline{CDE}
- 23. $\overline{FH} = 135^\circ$

