

Practice 10-6

Circles and Arcs

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



In (1)–(3), (4) and (5) are diameters. Identify the following.

- | | |
|----------------------------|----------------------------|
| 4. two equal arcs | 5. two equal arcs |
| 6. minor arcs | 7. a pair of adjacent arcs |
| 8. an obtuse central angle | 9. an obtuse central angle |



A circular vegetable garden should be planted. Circular vegetables are an obvious feature of the design of the central angle that yields the following vegetables. What part accounts for the central angles?

10. potatoes
11. green beans
12. corn
13. squash
14. tomatoes



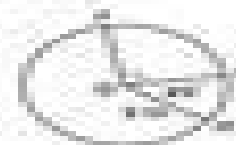
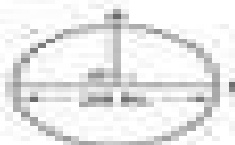
Find the measure of each arc in (1)–(3).

- | | |
|-----------------|----------------|
| 15. 30° | 16. 20° |
| 17. 60° | 18. 30° |
| 19. 120° | 20. 30° |



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

21. 30° 22. 120° 23. 70°



Geometry Lesson 10 6 Circles And Arcs Answers

Karin Nielsen-Saines



Geometry Lesson 10 6 Circles And Arcs Answers:

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