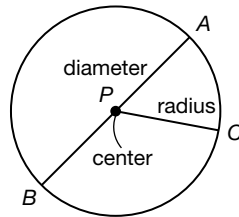


Warm Up 22

1. perimeter
2. -4
3. Therefore, the dog got out.
4. 450
5. 138.16

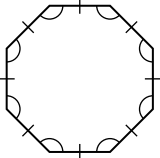
Lesson Practice 22

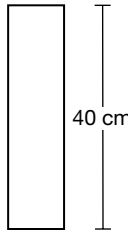
- a. Sample:



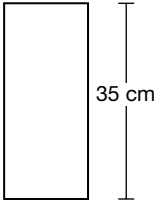
- b. 3.14 meters
- c. 3017.54 cm^2
- d. 0.79 yd^2
- e. approximately 330 inches

Practice 23

1. 40,054 km
2. The statement has not been proved or disproved. Sample: If n is even $n + 1$ is a prime.
3. $5x$
4. 82.2 ft
5. $\sqrt{5}$ units
6. 132 cm^2
7. Sample: 6 in. by 12 in.; 8 in. by 9 in.; 4 in. by 18 in.
8. no
9. The midpoint of DE is $(7, 6.5)$, of DF is $(4, 0.5)$, and of EF is $(8, 3)$.
10. 
11. Therefore, I can open the safe.
12. $\sqrt{2b}$
13. Statement 1: The rooms in the arena will get a new coat of paint if the new funding from the local council is approved. Statement 2: If the new funding from the local council is approved, the rooms at the arena will get a new coat of paint.
14. B
15. a. 105°
b. 54°
16. Sample:



Area = 400 cm^2



Area = 525 cm^2

17. $\angle A$ and $\angle B$ are alternate interior angles. If they are congruent, then the sides are parallel by the Converse of the Alternate Interior Angles Theorem.
18. B
19. Dustin is incorrect. The missing angle is 43° .
20. 56.6 in.
21. Sample: If it is the first day of the school week, then it is Monday.
22. 4 cans
23. 300 meters
24. Sample: Any open figure with five points.
25. 56.5 ft^2
26. perimeter is approximately 22 feet; area is 21 ft^2
27. Alternate Exterior Angles Theorem
28. 270 cm^2
29. x^2
30. Since the bases have the same average and the heights are the same, the areas will be the same.