

2. 20 units; 25 square units

4. $\frac{\pi}{2}$ m

6. 26.18 units; 25 square units

8. 34 units

10. $\frac{9}{64}\pi$ in.²

11. 80 in.²

12. 208 ft²

13. 20 in.; 21 in.²

14. a. 56.5 in.; 254.5 in.²

b. 22.9 m; 41.9 m²

15. 14.8 units; 10 square units

19. Area; the wall is a surface.

20. Perimeter; the crown molding must fit the edges of the ceiling.

21. Perimeter; the fencing must fit the edges of the backyard.

22. Area; the floor is a surface.

27. 30 yards; 150 square yd

28. 24

31. 2975π mm², or 9346.2 mm²

37. about 4326 m²

38. $\frac{25}{4}\pi$ units²