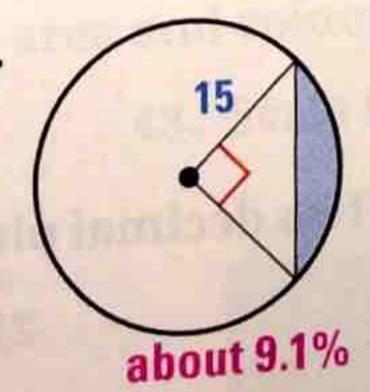
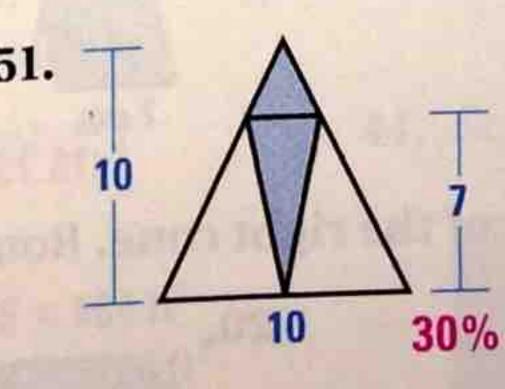
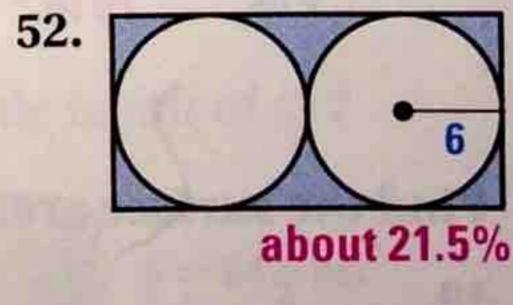


about 58.7%



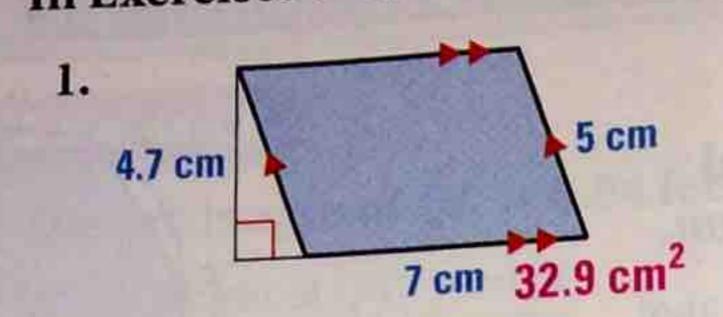




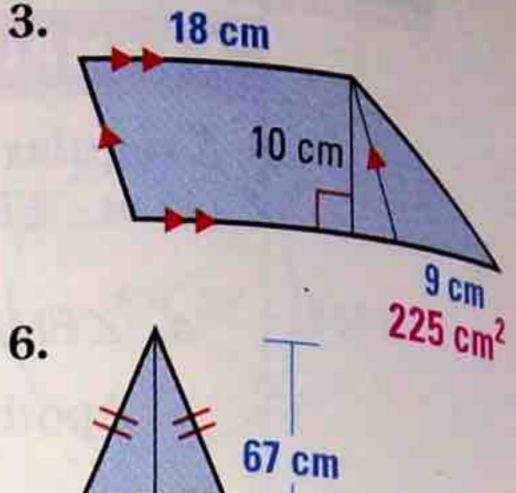
11.7 53. A local radio station plays your favorite song once every two hours. Your favorite song is 4.5 minutes long. If you randomly turn on the radio, what is the probability that your favorite song will be playing? 3.75%

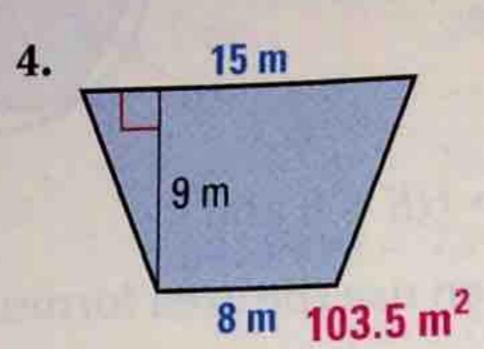
CHAPTER TEST

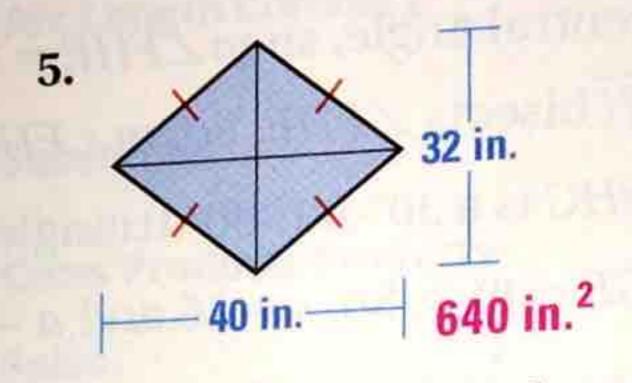
In Exercises 1–6, find the area of the shaded polygon.

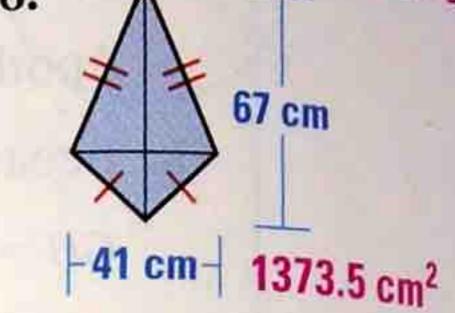


2. 5 ft 3 ft 30 ft²









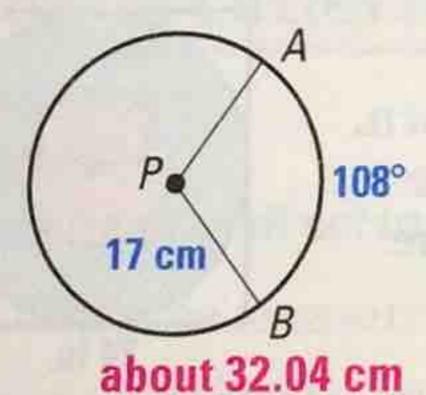
7. The base of a parallelogram is 3 times its height. The area of the parallelogram is 108 square inches. Find the base and the height. 18 in., 6 in.

Quadrilaterals ABCD and EFGH are similar. The perimeter of ABCD is 40 inches and the perimeter of EFGH is 16 inches.

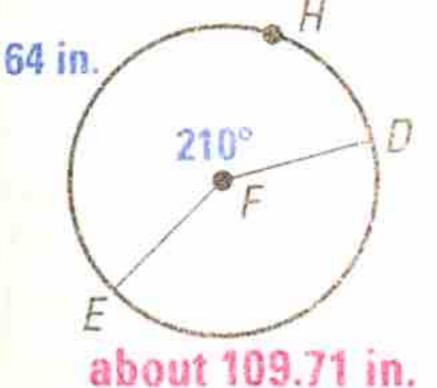
- 8. Find the ratio of the perimeters of ABCD to EFGH. 5:2
- 9. Find the ratio of the corresponding side lengths of ABCD to EFGH. 5:2
- 10. Find the ratio of the areas of ABCD to EFGH. 25:4

Find the indicated measure for the circle shown.

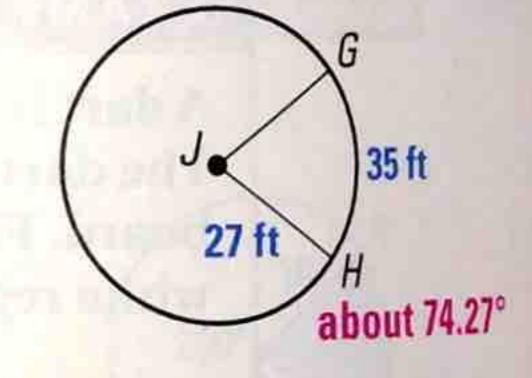
11. Length of \widehat{AB}



12. Circumference of $\odot F$



13. mGH

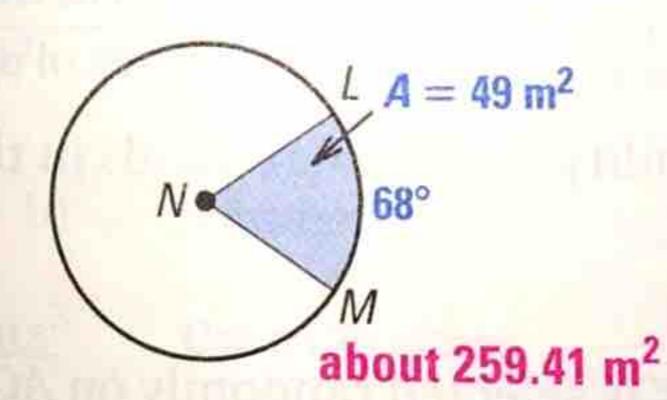


14. Area of shaded sector

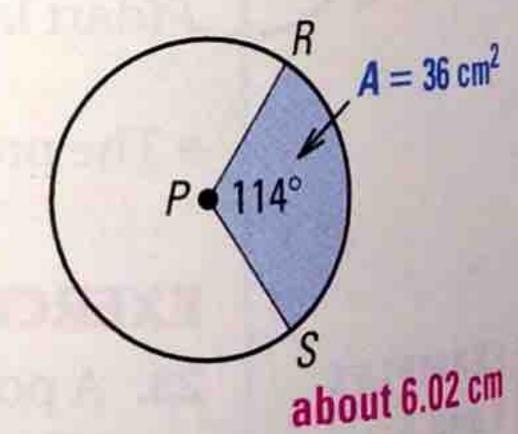
(105°

about 142.42 in.2

15. Area of $\bigcirc N$



16. Radius of $\bigcirc P$



17. TILING A floor tile is in the shape of a regular hexagon and has a perimeter of 18 inches. Find the side length, apothem, and area of the tile. 3 in., about 2.60 in., about 23.4 in.²

Find the probability that a randomly chosen point in the figure lies in the region described.

- 18. In the red region about 44%
- 19. In the blue region about 12%

