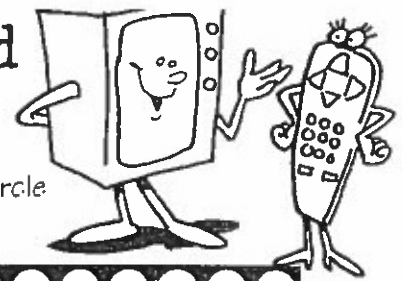
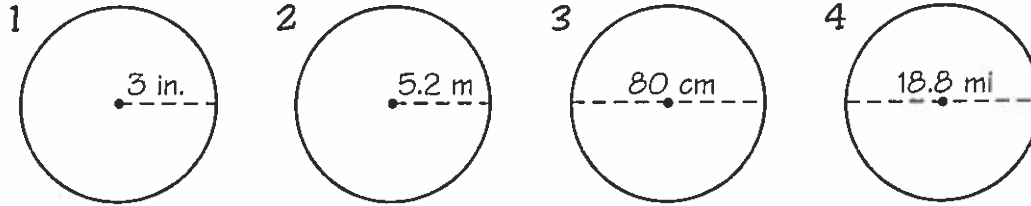


What Happened When the TV Set Asked the Remote Control for a Date?



Find each answer in the answer column. Write the letter of the answer in the circle that contains the exercise number. Most answers are rounded. Use 3.14 for π .

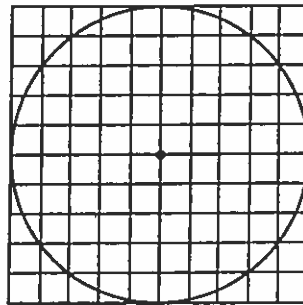
Use the diameter (d) or radius (r) to find the area.



- 5 $r = 12$ in. 6 $r = 0.66$ mi 7 $d = 7.5$ m. 8 $d = 2$ cm

Solve.

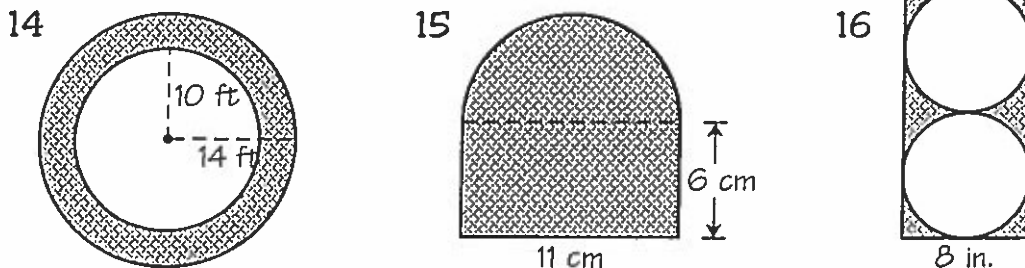
- 9 Radio station KLUV broadcasts in all directions to a distance of 60 mi. What is the area over which the station can be heard?
- 10 How many squares are inside the circle below?



- 11 A fugitive has escaped in a train wreck. The police believe he could not have traveled more than 7 mi in any direction from the wreck. How many square miles must be searched?

- 12 A manhole cover has a diameter of 3 ft. It weighs 8.2 lb per square foot. How much does the manhole cover weigh?
- 13 A 12-inch diameter pizza is cut into 8 equal pieces. What is the area of each piece?

Find the area of the shaded region.



Answers 1-8

- L 269.4 mi²
- O 5024 cm²
- S 44.2 m²
- D 28.3 in.²
- F 1.54 mi²
- M 452.2 in.²
- T 5196 cm²
- E 84.9 m²
- H 3.14 cm²
- A 48.3 m²
- U 1.37 mi²
- Y 438.3 in.²
- N 277.5 mi²

Answers 9-16

- S 124.3 cm²
- H 153.9 mi²
- A 62.4 lb
- T 301.4 ft²
- F 18.9 in.²
- E 78.5
- I 57.9 lb
- D 113.5 cm²
- L 82.4
- W 11,304 mi²
- R 27.5 in.²
- B 326.4 ft²
- N 14.1 in.²
- O 9285 mi²

- 7 11 2 14 6 16 4 10 1 8 12 5 15 3 9 13