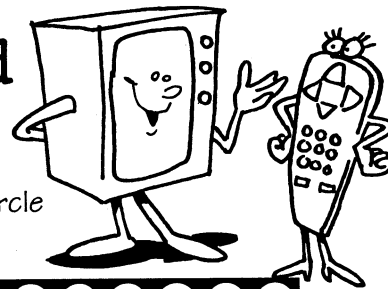
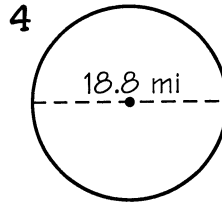
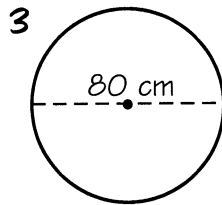
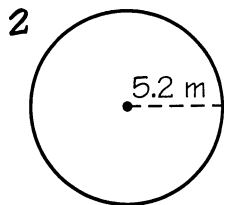
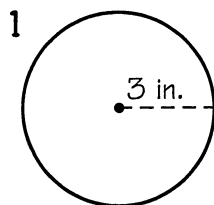


What Happened When the TV Set Asked the Remote Control for a Date?



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

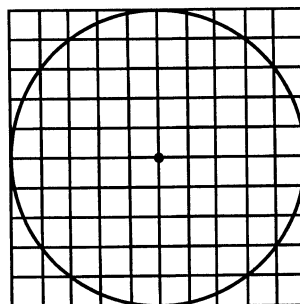
7 $d = 7.5$ m.

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?

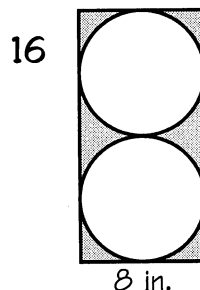
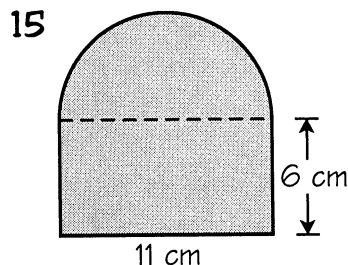
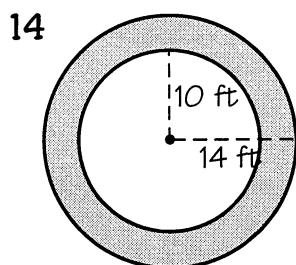


- 11 A fugitive has escaped in a train wreck. The police believe he could not have traveled more than 7 mi in any direction from the wreck. How many square miles must be searched?

- 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

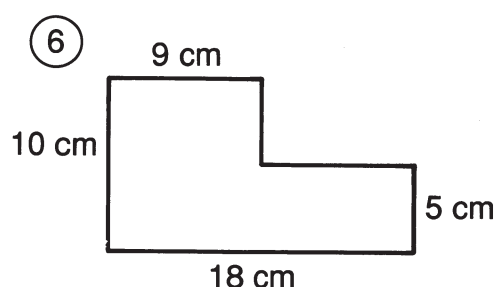
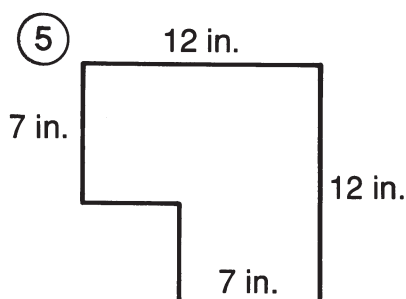
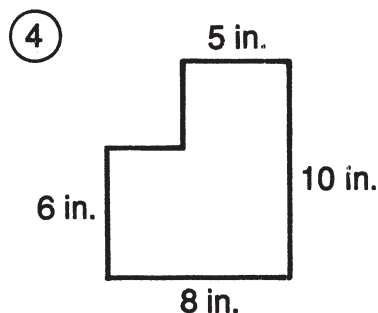
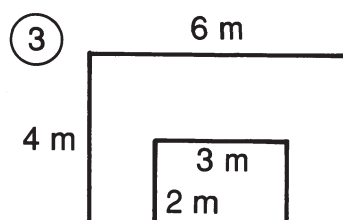
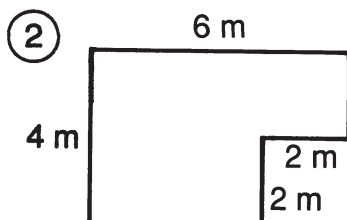
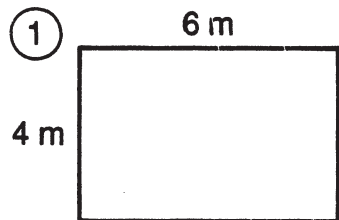
9

13

Why Do Elephants Have Ivory Tusks?

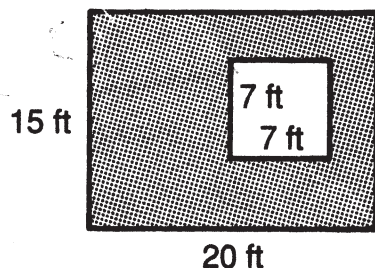
Do each exercise and find your answer in the answer columns. Write the letter of the answer in each box containing the number of the exercise.

I. Find the area of each figure.

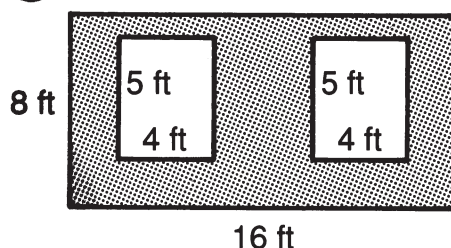


II. Find the area of the shaded region in each figure.

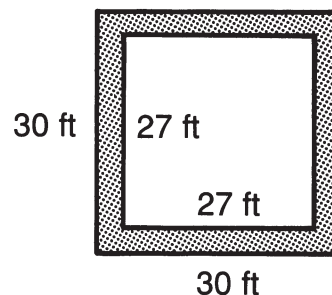
⑦ yard with sandbox



⑧ wall with windows



⑨ sidewalk around pool



III. Solve.

⑩ A bedroom is 15 ft long and 12 ft wide. How much will it cost to carpet the room if carpeting costs \$22 per square yard? (1 yd = 3 ft)

⑪ A rose garden in the city park is rectangular and is 9 m wide. If the area of the rectangle is 144 m^2 , what is the length of the garden?

..... ANSWERS

- | | | | | | |
|------------------------|------------------------|-------------------------|------------------------|-------------------------|----------------------|
| (A) 219 ft^2 | (T) 68 in.^2 | (U) 251 ft^2 | (G) 124 cm^2 | (C) 21 m^2 | (N) \$440 |
| (L) 20 m^2 | (F) \$520 | (V) 108 in.^2 | (E) 24 m^2 | (D) 88 ft^2 | (P) 19 m |
| (I) 135 cm^2 | (S) 171 ft^2 | (R) 16 m | (B) 165 ft^2 | (W) 119 in.^2 | (O) 18 m^2 |

6	11	3	10	3	10	1	9	5	3	7	2	8	11	7	9	4
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