

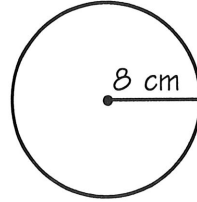
# Why Did Ogro Shop at Grass Roots Garden Supply?

Do each exercise and find your answer in the answer column (some answers are rounded). Use 3.14 for  $\pi$ . Write the letter of the answer in the box containing the exercise number.

- Answers*
- P. 38.29 m
  - G. 85 in.
  - T. 9.4 in.
  - M. 97.4 ft
  - G. 6.4 m
  - S. 16 cm
  - R. 1005 m
  - N. 15 ft
  - C. 79 in.
  - H. 40.19 m
  - O. 50.24 cm
  - K. 986 m
  - T. 94.2 ft
  - I. 29.52 in.
  - F. 52.74 cm
  - U. 692.5 ft<sup>2</sup>
  - Y. 128.61 m<sup>2</sup>
  - T. 113 mi<sup>2</sup>
  - E. 200.96 cm<sup>2</sup>
  - D. 949 in.<sup>2</sup>
  - L. 134.71 m<sup>2</sup>
  - E. 706.5 ft<sup>2</sup>
  - V. 204.86 cm<sup>2</sup>
  - W. 1017 in.<sup>2</sup>
  - A. 69.36 in.<sup>2</sup>
  - N. 122 mi<sup>2</sup>

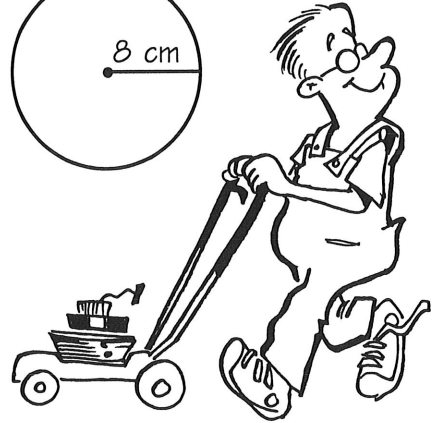
**A.** A circle has a radius of 8 cm. Find:

1. The diameter of the circle.
2. The circumference of the circle.
3. The area of the circle.



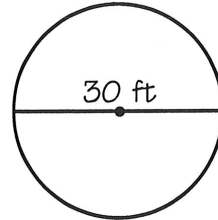
**B.** A circle has a radius of 4.7 in. Find:

4. The diameter of the circle.
5. The circumference of the circle.
6. The area of the circle.



**C.** A circle has a diameter of 30 ft. Find:

7. The radius of the circle.
8. The circumference of the circle.
9. The area of the circle.



**D.** A circle has a diameter of 12.8 m. Find:

10. The radius of the circle.
11. The circumference of the circle.
12. The area of the circle.

**E.** Solve. Round each answer to the nearest whole number.

13. The wheels on Ogro's bike have a diameter of 27 in. How far does the bike travel with each turn of the wheels?
14. A round crafts table has a diameter of 36 in. How much plastic laminate is needed to cover the top of the table?
15. A criminal has escaped in a train wreck. The police believe he could have traveled no more than 6 mi in any direction from the wreck. How many square miles must be searched?
16. Karina ran 8 laps around a circular track with a radius of 20 m. How far did she run?

11	3	14	6	1	8	16	12	5	7	10	15	2	13	9	4
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# Why Did Ogro Shop at Grass Roots Garden Supply?

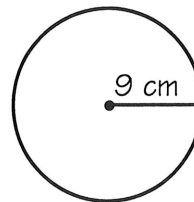
Do each exercise and find your answer in the answer column (some answers are rounded). Use 3.14 for  $\pi$ . Write the letter of the answer in the box containing the exercise number.

## Answers

- T. 163 ft
- M. 46.47 m
- E. 7.8 in.
- P. 54.82 cm
- I. 18 cm
- B. 747 m
- R. 157 ft
- M. 82 in.
- O. 24.49 in.
- E. 7.4 m
- L. 49.37 m
- O. 56.52 cm
- W. 754 m
- O. 25 ft
- C. 78 in.
- V. 224.84 cm<sup>2</sup>
- H. 804 in.<sup>2</sup>
- K. 149 mi<sup>2</sup>
- R. 254.34 cm<sup>2</sup>
- A. 173.65 m<sup>2</sup>
- Y. 1962.5 ft<sup>2</sup>
- N. 154 mi<sup>2</sup>
- S. 47.76 in.<sup>2</sup>
- D. 823 in.<sup>2</sup>
- F. 171.95 m<sup>2</sup>
- U. 1938.5 ft<sup>2</sup>

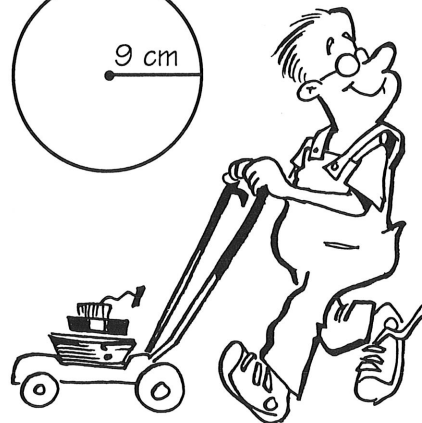
**A.** A circle has a radius of 9 cm. Find:

1. The diameter of the circle.
2. The circumference of the circle.
3. The area of the circle.



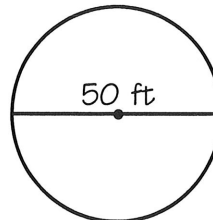
**B.** A circle has a radius of 3.9 in. Find:

4. The diameter of the circle.
5. The circumference of the circle.
6. The area of the circle.



**C.** A circle has a diameter of 50 ft. Find:

7. The radius of the circle.
8. The circumference of the circle.
9. The area of the circle.



**D.** A circle has a diameter of 14.8 m. Find:

10. The radius of the circle.
11. The circumference of the circle.
12. The area of the circle.

**E.** Solve. Round each answer to the nearest whole number.

13. The wheels on Ogro's bike have a diameter of 26 in. How far does the bike travel with each turn of the wheels?
14. A round crafts table has a diameter of 32 in. How much plastic laminate is needed to cover the top of the table?
15. A criminal has escaped in a train wreck. The police believe he could have traveled no more than 7 mi in any direction from the wreck. How many square miles must be searched?
16. Karina ran 6 laps around a circular track with a radius of 20 m. How far did she run?

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