

Name _____

Date _____

Area and Circumference of a Circle - Independent Practice Worksheet

Complete all the problems. Use 3.14 for pi.

1. Mike purchases a round wall clock. The clock's radius is 10m. What is the circumference of the clock?

2. Jordan buys a big drum. The diameter of a drum circle is 12 feet. What is the area of the drum?

3. Helen wants to buy round plates for her mother. The radius of plates is 1 foot. What is the plate's circumference?

4. Bobby made cookies. The circumferences of cookies are 6 cm. What is the diameter of the cookies?

5. Timothy makes a round chocolate cake. She wants to put a cream layer on cake. If the cake is 6 cm in diameter, how many square cm of cream layer does she need to put on the chocolate cake?



6. Pamela wants to buy a new Mercedes. The Mercedes wheel has a radius of 35', what is the area of the Mercedes wheel?

7. Angela goes to the garden. There is a fountain. A circular fountain with a 10m radius lies alone in the center of a circular park with a 200 m radius. Calculate the total walking area available to the park visitors.

8. Mary has a circular fountain in her garden. She wants to put a statue in middle of the fountain. The diameter of fountain is 16 meters and diameter of statue is 2 meters. What is the area of the fountain?

9. A Horse is tied with rope in the center of grassland to graze. The length of rope is 5m. The diameter of circular garden is 50m. Find the area in which the horse cannot graze.

10. Lori made a round cookie cake. The diameter of the cake is 8 cm. What is the area of the cake?

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Area and Circumference of a Circle - Matching Worksheet

Match the word problems to their answers. Write the letter of the answer that matches the problem. Use 3.14 for pi. Units of measurements are removed.

so make sure you write them in once you've matched the question w/ the answer.

- _____ 1. Patricia buys a round dinner table. The radius of dinner table is 6 meters. What is the area of table? a. 56.52

- _____ 2. Charles has a circular carpet in his drawing room. He wants to put a circular table in middle of the carpet. The diameter of the carpet is 12 meters and the diameter of the table is 4 meters. Calculate how much area of carpet is left after putting the table in place? b. 113.04

- _____ 3. Steven purchases a bowl. The diameter of the bowl is 14 cm. What is the circumference of the bowl? c. 43.96

- _____ 4. Daniel wants to buy cookies for her friend. The radius of a cookie is 5 inches. What is the cookie's circumference? d. 50.24

- _____ 5. Donna makes a round pizza. She wants to put a cheese layer on the pizza. If the cake is 8 cm in diameter, how many square cm of cheese layer does she need to put on the pizza? e. 19.625

- _____ 6. Cynthia wants to buy a round photo frame for her brother. The radius of the photo frame is 9 cm. What is the photo frame's circumference? f. 100.48

- _____ 7. Brian made a tasty burger. The diameter of the burger was 5 cm. What was the area of burger? g. 31.4