

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?

