

Name _____

Hour _____

Date _____

Circumference Word Problems

Directions:

For each problem

- a) write the correct formula
- b) rewrite the formula with the correct numbers
- c) write the correct answer using units

1. Mr. Math wants to plant a circular garden in his backyard he decided the radius will be his favorite decimal, 5.5 yards. What will the circumference of his garden be?

2. Mr. Math walked around the Merry-Go-Round (his favorite ride) one time. He measured the distance to be 141.37 feet. What is the measurement of the diameter?

3. Miss Graph likes the Ferris Wheel. She found out the radius was 200 feet! YIKES! What distance would Miss Graph travel in one revolution?

2a. How many feet would Mr. Math travel if the ride continued for 8 revolutions?

3a. If the Ferris Wheel travels 2 ft per second, how long would it take her to go once around?

4. Mr. Math loves the outdoor! He measured the circumference of the largest redwood tree. It was 785.4 feet. What is the diameter of that HUGE tree?

5. Roundsville decided to change their track from an oval shape to a circular track. The radius is 25 feet. What is the circumference?

6. Miss Graph drives racecars on the weekends. The track has a diameter of 420 feet. What is the distance around the track?

5a. A mile is 5280 feet. How many laps would you need to run to a mile?

6a. If it took her 10.8 seconds to drive around the track once, what is her speed?

7. Mr. Math is an expert unicycle rider. If his wheel has a radius of 10 inches, how far can he travel in 5 revolutions?

8. If the crust of a pizza measures 37.70 inches, what is the diameter?

9. The water sprinkler reaches 4 feet. What is the total circumference of grass that it reaches?