Circumference Word Problems

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lettuce or spinach: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The earth has a diameter of 7926.41 miles. What is the circumference of the earth? (This would be the distance you would have to walk, if you could walk around the equator.)

Circumference = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Mrs. Thumma’s pizza shop offers three sizes of pizza. The small, medium and large pizzas have diameters of 8 inches, 10 inches, and 12 inches. What is the circumference of each size of pizza?

Small = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Medium= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Large = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A bicycle wheel has a diameter of 21 inches. What is the circumference of this wheel? What is the radius?

Radius = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Circumference =\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A Ferris wheel has a radius of 65 feet. What is the distance traveled by a passenger in one full rotation of the Ferris wheel?

Circumference = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A unicycle wheel has a radius of 10 inches. How many feet will the unicycle travel in 5 revolutions?
2. Your friends join you for a hike in the Pocono’s. You find a massive redwood tree. You are told you’ll get extra credit in math class if you can figure out its diameter without cutting it down. One of your best pals has an idea: if you can measure the circumference of the tree, you can figure out the radius, which helps you find the diameter. If the tree’s circumference is 43.2 feet, what is its diameter?

Diameter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_