

Tire and Wheel Diameters Worksheet (Worksheet A)

Name _____ Date _____ Period _____

(W)(.039)(A)(2) + D = total diameter. Round to nearest tenth.

1. The original tires on the car were 255/70/R15. What is the diameter of the tire and wheel assembly?

$$(255)(.039)(.70)(2) + 15 = 28.9 \text{ inches}$$

2. The new tires are 255/55/R15. What is the diameter of the tire and wheel assembly?

$$(255)(.039)(.55)(2) + 15 = 25.9 \text{ inches}$$

3. The new tires are 275/70R16. What is the diameter of the tire and wheel assembly?

$$(275)(.039)(.55)(2) + 16 = 26.9 \text{ inches}$$

4. The new tires are 255/55R18. What is the diameter of the tire and wheel assembly?

$$(255)(.039)(.55)(2) + 18 = 28.9 \text{ inches}$$

5. The new tires are 285/35R20. What is the diameter of the tire and wheel assembly?

$$(285)(.039)(.35)(2) + 20 = 27.8 \text{ inches}$$

6. Which tire size will grandma want to use for her new rims? **255/55R18**