

Grade 7 Math Worksheet: Circumference to Area

Name: _____

How to Find the Area of a Circle When Given the Circumference:

1. Use the formula for Circumference to find the radius: $C = \pi d$

$$D = C \div \pi$$

2. Use the radius to find the area of the circle: $A = \pi r^2$

$$r = D \div 2$$

$$A = \pi r^2$$

Complete the table below:

Circumference (cm)	Diameter (cm)	Radius (cm)	Area (cm ²)
53.71			
90.5			
67.19			
31.26			
59.4			
42.96			
62.29			
91.88			
26.31			
93.49			
47.45			
79.48			
30.34			
23.75			
27.0			
56.16			
89.52			
99.24			
35.36			
48.61			