;	
Nomo	
Name _	

Circumference and

Show all work on paper provided!!! Area of Circles

Remember

1. Circumference is the distance around a circle. Think of it as the circle's perimeter.



Circumference = π x diameter

 $C = \pi d$

 $C = 2\pi r \sqrt{\text{(The diameter is twice the)}}$ length of the radius: d = 2r.)

2. Area is the measure in square units of the interior of a circle.

Area = π x radius x radius



Example: Find the circumference and area of this circle. Use 3.14 as an , approximation for π .



≈ 2·3.14·8

50.24

200.96

50 cm

201 cm²

Draw straight lines to match each radius of a circle to its correct circumference and area. Use 3.14 for π . Write the uncrossed letters in the empty circles below to answer the riddle. whole #. Show all work on provided paper.

Ko		~	Radius	Area
	Circumferen	ce		·
	57 cm	• (P)	. → 8 cm • (H)	• 28 in. ²
7	113 m	• (1)	• 7 cm	• 254 cm ²
	50 cm	•	• 18 m • (A)	• 79 ft ²
4	38 in.	• M A	• 3 in. • ``\(\script{C}\)	• 1,017 m ²
	31 ft	•	• 10 ft • L	• 314 ft ²
-	25 mm	• (L) (M)	• 9 cm • (N)	• 201 cm ²
1	44 cm	•	• 14 m • O	• 113 in. ²
:	88 m	. (D)	• 6 in. • (P)	• 154 cm ²
	19 in.	• (P)	• 5 ft • (1) (T)	• 50 mm ²
	13 mm	• (E)	• 2 mm • W	• 13 mm ²
	63 ft	• K	• 4 mm •	• 615 m ²
				S

What do you get when you take the circumference of a jack-o'-lantern and divide it by its diameter?









