Circumference

1. Calculate the missing measure.

TIL

Lesson 30	
	1

		114	II CY,	
Circumference	335 cm	37,70 cm	25.13cm	48 cm
Diameter	166.63cm	12 cm	X2 8cm	15 28cm
Radius	53.32cm	V:2	4 cm	7.64 Cm

Calculate the circumference of each hoop using the given measurements.

a)	
C= dT	
=75.40 m	24 m

b)



CZATT

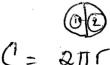
0.44dm

3. Give the radius of a compact disc with a circumference of 37.7 cm.

$$\frac{37.7}{211} = 6.0 \, \text{cm}$$

4. Find the diameter of a tree base with a circumference of 90 cm.

5. Each straight stretch of a track measures 125m. The semicircles at each end have a radius of 50m. Calculate the distance covered by a runner travelling around the length of the track.



$$=314.15$$

= 314.15
6. A bicycle wheel has a radius of 28cm. what distance will the bicycle have covered after 50 rotations of the wheel?

50 XCircumference

50 × 211





Radius, Diameter and Circumference



What is the circumference of a round table with a diameter of 1.5m?



$$C = \pi(d)$$

= $\pi(1.5)$
 $C = 4.71m$

2. A round sewer cover has a circumference of 250 cm. What is the diameter?

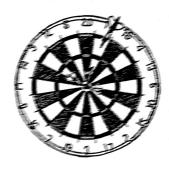
$$C = \pi d$$

$$C = d$$

$$\frac{C}{\pi} = d$$

$$\frac{2.80}{\pi} = d$$

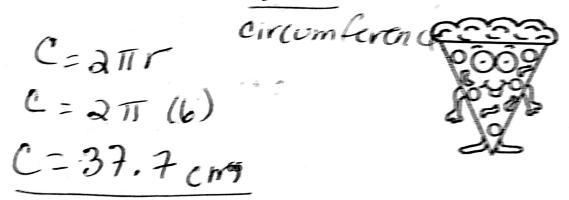
A dartboard has a circumference of 94 cm. What is its radius?



$$\frac{C}{\frac{C}{2\pi I}} = \Gamma$$

$$\frac{94}{(2\pi I)} = \Gamma = 14.96 \text{ cm}$$

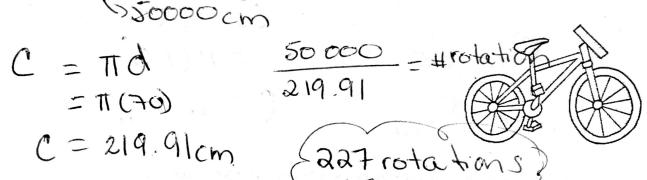
4. The radius of a pizza is 6cm. What is the length of the pizza crust?



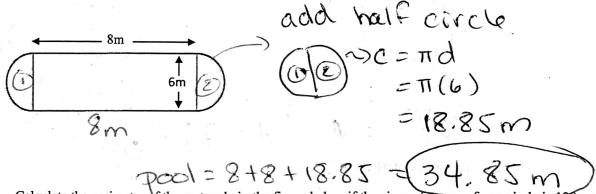
Radius, Diameter and Circumference Cont'd



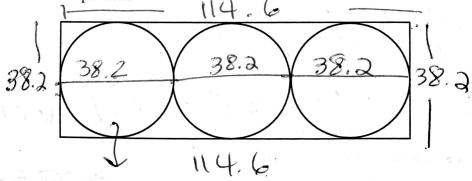
5. The wheels of a bicycle have a diameter of 70cm. How many full rotations do the wheels have to make in order to cover a distance of 500m? (Km, Hm, Dam, M, Dm, Cm, Mm)



6. A section of a pool is 8m long. The semi-circle at each end has a diameter of 6m. Calculate the perimeter of the pool.



7. Calculate the perimeter of the rectangle in the figure below if the circumference of one eirele is 120cm. Notes, the circles are equivalent.



$$C = 120$$

$$C = \pi d$$

$$120 = \pi d$$

$$120 = d$$

$$T$$

