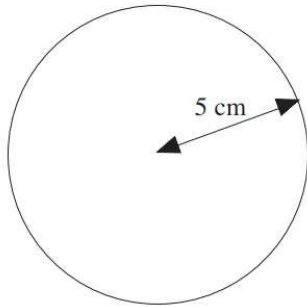


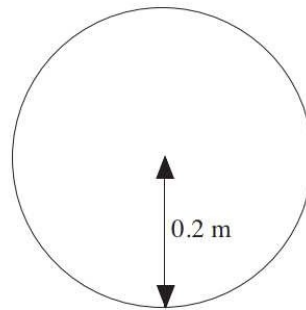
Area of Circles

1. Find the circumference and area of each of the following circles.

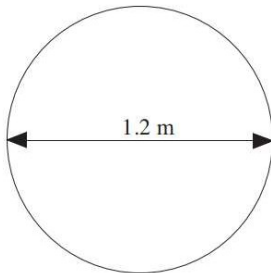
(a)



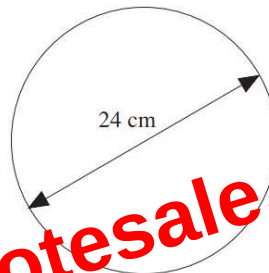
(b)



(c)



(d)



2. Find the radius of the circle which has

- (a) a circumference of 42 cm,
- (b) a circumference of 18 cm,
- (c) an area of 69.4 cm^2 ,
- (d) an area of 91.6 cm^2 .

1. a. $= 3.14 \times 25 = \mathbf{78.53 \text{ cm}^2}$
b. $= 0.04 \times 3.14 = \mathbf{0.13 \text{ cm}^2}$
c. $= 3.14 \times 0.6^2 = \mathbf{1.1 \text{ m}^2}$
d. $= 3.14 \times 12^2 = \mathbf{452 \text{ cm}^2}$
2. a. $= 42 \div 3.14 = 13.37, 13.37 \div 2 = \mathbf{7 \text{ cm}}$
b. $= 18 \div 3.14 = 5.73, 5.73 \div 2 = \mathbf{3 \text{ cm}}$
c. $= 69.4 \div 3.14 = 22.10, = \mathbf{5 \text{ cm}}$
d. $91.6 \div 3.14 = 29.17, = \mathbf{5 \text{ cm}}$