**CIRCLES ONLINE QUIZ ANSWERS (SOCRACTIVE.COM)**



 Radius = d/2

 = 17cm/2

 = 8.5cm



 Circumference = 2πr

 = 2π x 5cm

 = 2(3.14) x 5cm

 = 31.4 cm



 C = πd

 = π x 8m

 = 25.12m



 C = πd

 = 2πr

 22cm = 2πr

 22cm = 2(3.14)r

 22cm = 6.28

 22cm/6.28 = r

 3.50cm = r



 C = πd

 47mm = πd

 47mm / π = dπ / π

 47mm / π = d

 47mm/ 3.14 = d

 14.97mm = d



 A = πr2

 A = 3.14(2cm)2

 A = 3.14 x 4cm2

 = 12.56cm2



 A = πr2

 r = d/2

 r = 2m/2

 r = 1m

 A = πr2

 A = π(1m)2

= 3.14(1m)2

 = 3.14(1m2)

 =3.14m2



 A = πr2

 r = d/2

 r = 4m/2

 r = 2m

 A = πr2

= π(2m)2

= 3.14 x 4m2

 = 12.56 m2



 A = πr2

 d = r/2

 d = 2m/2

 d = 1m

 A = 1/8(πr2)

 = 1/8 x π(1m)2

 = 1/8 x 3.14(1m)2

 = 0.39m2



Perimeter of arc = ¼(circumference)

 P= 1/4(πd) x 4

 Perimeter = ¼(3.14 x16m) x 4

 = 12.56m x 16m

 = 50.24m



 Area of shaded region = Area of Square – Area of quarter circle

 = (l x w) – ¼(πr2)

 = (3.5cm x 3.5cm) – ¼(πr2)

 = 12.25cm2- ¼(π x 3.5cm2)

 = 12.25cm2- 9.62cm2

= 2.63 cm2