Surface Area of a Sphere

To find the surface area of a sphere (A =4πr²).

1) If the diameter is 14.8 in then calculate the radius of a sphere?

   _____

2) Calculate the surface area of a sphere if the diameter is 18.6 m.

   _____

3) If the radius is 7.4 cm then calculate the surface area of a sphere?

   _____

4) Calculate the surface area of a sphere if the diameter is 28.6 mm.

   _____

5) If the radius is 11.9 cm then calculate the surface area of a sphere?

   _____

6) If the diameter is 16.8 in then calculate the radius of a sphere?

   _____

7) Calculate the surface area of a sphere if the diameter is 24.8 km.

   _____

8) Calculate the diameter of a sphere if the radius is 9.3 cm.

   _____

Surface Area of a Sphere

Name:_____

To find the surface area of a sphere ($A = 4\pi r^2$).

1) If the diameter is 14.8 in then calculate the radius of a sphere?

   <u>7.4 in</u>

2) Calculate the surface area of a sphere if the diameter is 18.6 m.

   <u>1086.87 m²</u>

3) If the radius is 7.4 cm then calculate the surface area of a sphere?

   <u>688.13 cm²</u>

4) Calculate the surface area of a sphere if the diameter is 28.6 mm.

   <u>2569.7 mm²</u>

5) If the radius is 11.9 cm then calculate the surface area of a sphere?

   <u>1779.52 cm²</u>

6) If the diameter is 16.8 in then calculate the radius of a sphere?

   <u>8.4 in</u>

7) Calculate the surface area of a sphere if the diameter is 24.8 km.

   <u>1932.21 km²</u>

8) Calculate the diameter of a sphere if the radius is 9.3 cm.

   <u>18.6 cm</u>