**Volume and Surface Area of Cones, Spheres, and Cylinders**

**Sweet Treats Activity**



Find the volume of each item. Use millimeters (mm) as the unit of measurement. Show your work.

**Sugar Cone**

Radius: \_\_\_\_\_\_\_\_\_\_\_\_\_

Height: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Whopper Ball Candy**

Radius: \_\_\_\_\_\_\_\_\_\_\_\_\_

Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Chocolate Round Cake**

Radius: \_\_\_\_\_\_\_\_\_\_\_\_\_

Height: \_\_\_\_\_\_\_\_\_\_\_\_\_

Volume: \_\_\_\_\_\_\_\_\_\_\_\_\_

Now find the surface area of each item. Use millimeters (mm) as the unit of measurement.

Show your work.

**Sugar Cone**

Radius: \_\_\_\_\_\_\_\_\_\_\_\_\_

S: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Surface Area: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Whopper Ball Candy**

Radius: \_\_\_\_\_\_\_\_\_\_\_\_\_

Surface Area: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Chocolate Round Cake**

Radius: \_\_\_\_\_\_\_\_\_\_\_\_\_

Height: \_\_\_\_\_\_\_\_\_\_\_\_\_

Surface Area: \_\_\_\_\_\_\_\_\_\_\_\_\_

How many whopper candies does it take to equal the volume of the sugar cone?

How many round cakes does it take to equal the volume of a sugar cone?

How many whopper candies does it take to equal the surface area of the sugar cone?

How many round cakes does it take to equal the surface area of the sugar cone?