

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Volume of Hemisphere**

Work Space

Diameter of a hemispherical bowl is 12 inches. Find the exact volume of a bowl.

Volume = \_\_\_\_\_

Radius of a hemi sphere is 4.5 feet. Find the exact volume of a hemisphere.

Volume = \_\_\_\_\_

Find the volume of a hemisphere with diameter 13 cm to the nearest tenths place.

Volume = \_\_\_\_\_

What is the volume of hemispherical tank with radius 9 yards to the nearest whole number?

Volume = \_\_\_\_\_

Radius = 9.3 cm.  
Find the exact volume of a hemisphere.

Volume = \_\_\_\_\_

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answers:**

Work Space

Diameter of a hemispherical bowl is 12 inches. Find the exact volume of a bowl.

$$\text{Volume} = 144\pi \text{ in}^3$$

Radius of a hemisphere is 4.5 feet. Find the exact volume of a hemisphere.

$$\text{Volume} = 60.75\pi \text{ ft}^3$$

Find the volume of a hemisphere with diameter 13 cm to the nearest tenths place.

$$\text{Volume} = 575.2 \text{ cm}^3$$

What is the volume of hemispherical tank with radius 9 yards to the nearest whole number?

$$\text{Volume} = 1527 \text{ yd}^3$$

Radius = 9.3 cm.  
Find the exact volume of a hemisphere.

$$\text{Volume} = 536.238\pi \text{ cm}^3$$