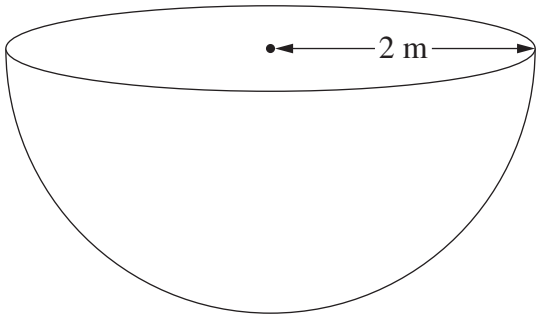
**Question 16** (2 marks)

The volume, $V$, of a sphere is given by the formula **2**

$$V = \frac{4}{3}\pi r^3,$$

where $r$ is the radius of the sphere.

A tank consists of the bottom half of a sphere of radius 2 metres, as shown.




Find the volume of the tank in cubic metres, correct to one decimal place.

.....

.....

.....

.....

.....

.....

.....

.....