| National 5 Final Exam Practice	
Geometric Skills	Volume of Solids
Average Score	3 / 4 Marks

1. The radius of the planet Neptune is 24 622km. Calculate its volume correct to 3 significant figures.
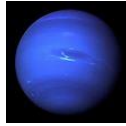
2. The Great Pyramid of Egypt has an approximate square base of length 230 metres. Its height is 146.5 metres. Calculate its volume correct to 3 significant figures.

3. Find the volume of the glass paperweight shown below. Round your answer to 2 significant figures
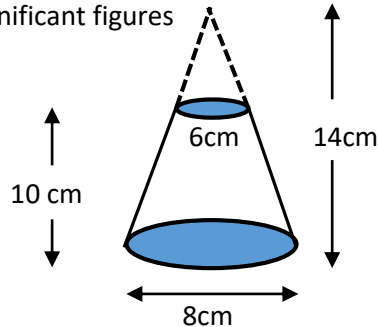

4. A company manufacturing stationary equipment are designing a new rubber in the shape of a pencil. The height of the rubber is 8cm with the tip measuring 2.5cm. Its diameter at the bottom is 2cm. Find the volume of rubber required to make this product. Round your answer to 3 significant figures.

5. A meat product is sold in kilogram weights. They are wrapped in the shape of a cylinder with 2 hemispherical ends as shown.
   The total length of the product is 23cm and its width is 8cm.
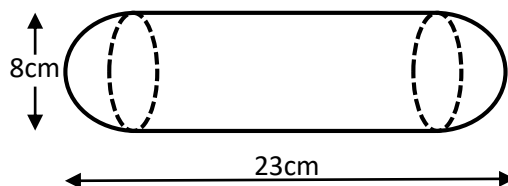
Given that 1cm^3 weighs 1 gram, is it fair to sell these as a 1 kilogram packs of meat?
Give a reason for your answer and show all your working.