



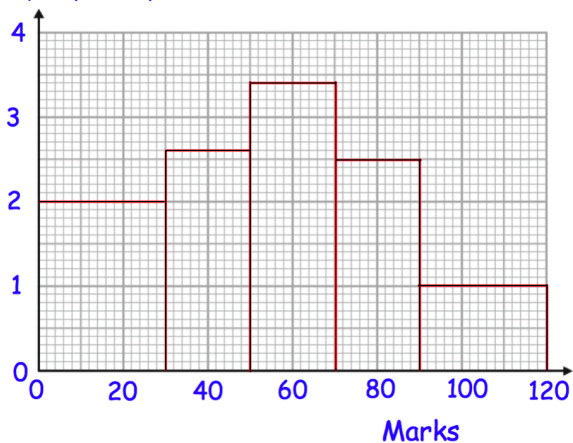
A solid wooden sphere has radius of 5.97cm

Work out an estimate for the volume of the sphere.  
Give your answer in terms of  $\pi$

The sphere has a mass of 1002g  
Bruno wants to work out the density of the wood.  
In his calculations, he uses a radius of 6cm and a mass of 1000g

Is his answer an over-estimate or an under-estimate of the actual density?  
Explain why

Frequency Density



260 people sit a driving theory test.  
Their results are shown in this histogram.

10% of the people scored less than x marks

Find an estimate of x

5% of people scored more than y marks.

Find an estimate of y

Solve the simultaneous equations

$$x^2 + 3xy = 10$$

$$x + 2y = 3$$