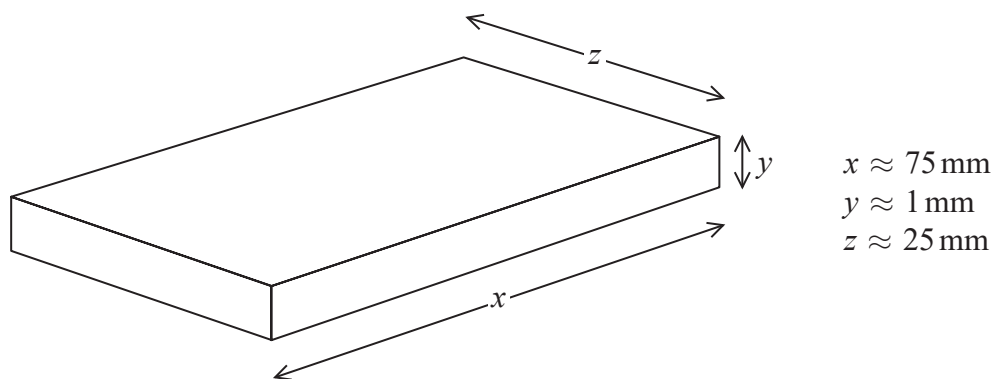


2

A student carries out measurements to determine the density of glass. The student has 20 glass microscope slides available.

The approximate dimensions of one slide are shown.



(a) The density is calculated using the equation

$$\text{density} = \frac{\text{mass}}{\text{volume}}$$

Describe how the student can determine an accurate value for the density of the glass.  
Your answer should include the measuring instruments required.

(4)

(b) State one precaution that the student should take to ensure the measurements are accurate.

(1)

(Total for Question 2 = 5 marks)