Answer ALL questions.

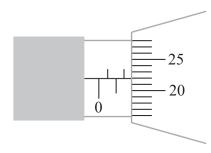
A student made measurements of the ruler shown.



(Source: © Dragance137/Shutterstock)

(a) She used a micrometer screw gauge to measure the thickness t at the centre of the ruler.

The diagram below shows the reading on the micrometer.



(i) State the value of t shown on the micrometer.



$$t =$$

(ii) Determine the percentage uncertainty in this value of t.



Percentage uncertainty in t =



)

(Total for Question 1 = 9 marks)