



## CHAPTER 1: INTRODUCTION TO PHYSICS

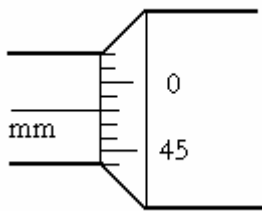


### Extra Questions

#### Paper 2 (Structured Questions) Section A

Answer the following question.

The diagram below shows the initial reading of a micrometer screw gauge. When the micrometer screw gauge is used to measure the diameter of a piece of wire, the readings obtained are as shown in the table below.



Reading 1	Reading 2	Reading 3	Reading 4
6.48 mm	6.47 mm	7.04 mm	6.49 mm

- (a) Why is it necessary to take the readings 4 times?

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[ 2 marks]

- (b) Which of the recorded readings is possibly an error?

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[ 1 mark]

- (c) Ignoring the error reading, determine the diameter of the wire.

- [ 2 marks]  
(d) State **two** precautions that should be taken when using the micrometer screw gauge.

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[ 2 marks]