



Mathematics (Base and Derived) Properties (App)

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SECTION A (20 marks)

Answer all the questions in the spaces provided in the specified places.

4.1 Which of the following is not an example of a vector unit?

- A. Displacement
- B. Mass
- C. Velocity
- D. Force

4.2 The following diagram showing a ruler used to measure the length of an object.



What is the measurement and the actual length of the object?

	Measurement	Actual length
A	5.5 cm	5.5 cm
B	5.5 cm	5.0 cm
C	5.0 cm	5.0 cm
D	5.0 cm	5.5 cm

4.3 A person throws a stone from a height of 1.5 m above the ground. With what velocity does it strike the ground?

- A. 10.0 m/s
- B. 5.5 m/s
- C. 18.0 m/s
- D. 20.0 m/s

4.4 The following graph shows the speed of a car moving with time.



What was happening to the motion of the car between 10s and 30s? The acceleration of the car was:

- A. constant
- B. decreasing
- C. increasing
- D. zero

SECTION B

10 10 10 10

Total score

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G12 Past Papers

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