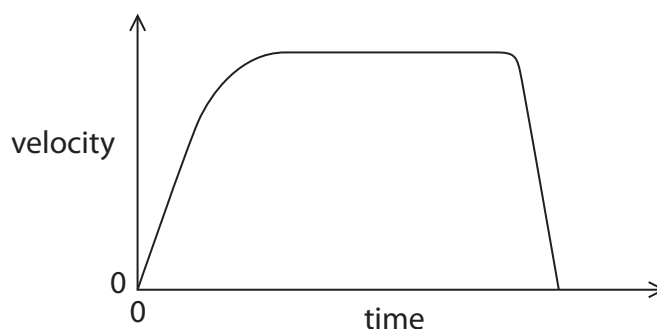


Answer ALL questions.

- 1** A toy car rolls down a ramp and hits a cushion.

The graph shows how its velocity changes with time.



- (a) Constant velocity on the graph is shown by

(1)

- ☐ **A** the area under the line
- ☐ **B** the horizontal part of the line
- ☐ **C** the sloping line at the end
- ☐ **D** the sloping line at the start

- (b) The distance travelled is shown by

(1)

- ☐ **A** the area under the line
- ☐ **B** the horizontal part of the line
- ☐ **C** the sloping line at the end
- ☐ **D** the sloping line at the start

- (c) The average velocity of the toy car is given by

(1)

- ☐ **A** the change in velocity divided by the time taken
- ☐ **B** the distance moved divided by the time taken
- ☐ **C** the time taken divided by the change in velocity
- ☐ **D** the time taken divided by the distance moved

(Total for Question 1 = 3 marks)

