

DO NOT WRITE IN THIS AREA

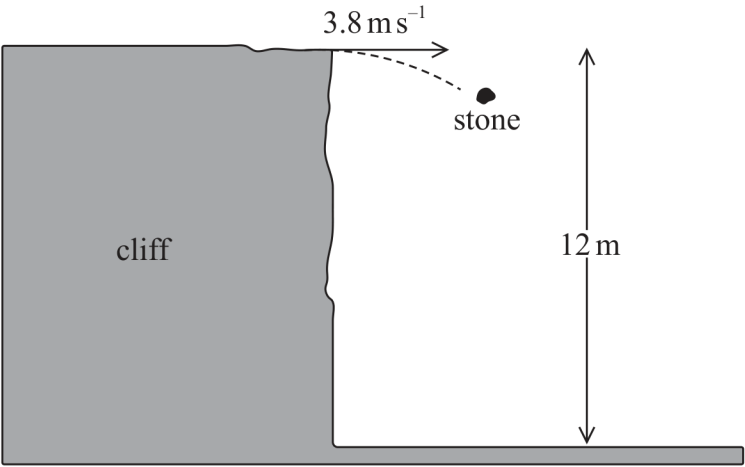
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IN THIS AREA

SECTION B

Answer ALL questions in the spaces provided.

- 11 A stone is projected horizontally from a cliff.
- The initial horizontal velocity of the stone is  $3.8 \text{ m s}^{-1}$ .
- The initial height of the stone is 12 m, as shown.



Calculate the horizontal distance from the bottom of the cliff to where the stone hits the ground.

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Horizontal distance = .....

(Total for Question 11 = 3 marks)