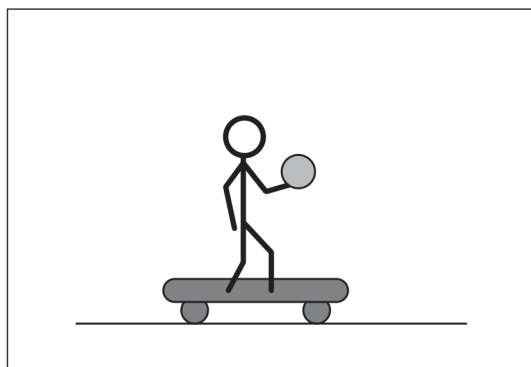


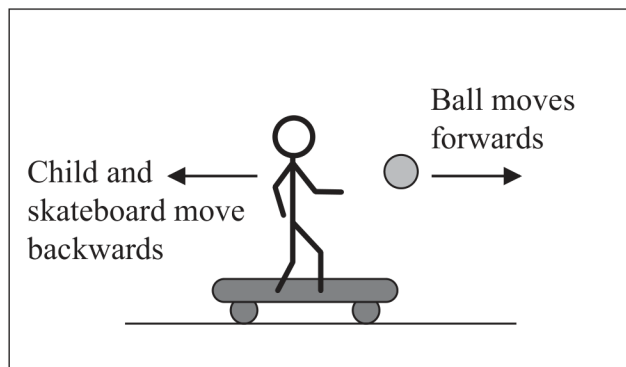
## SECTION B

Answer ALL questions in the spaces provided.

- 11 A child is standing on a skateboard and both are stationary. The child throws a ball forward at a high velocity and the child and the skateboard move backwards at a lower velocity.



Before



After

Explain, in terms of momentum, why the child and the skateboard move backwards at a lower velocity.

(4)

(Total for Question 11 = 4 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA