

GCSE Physics A (Gateway)

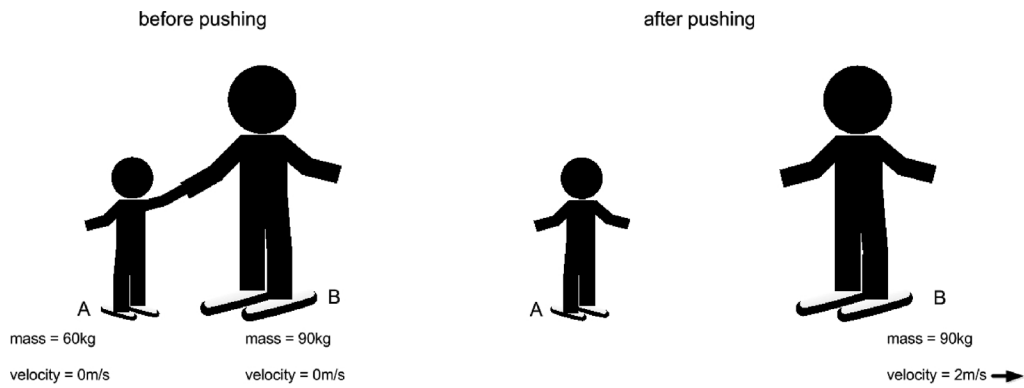
J249/03 Physics A P1-P4 and P9 (Higher Tier)

Question Set 22

22

Two ice skaters **A** and **B**, at rest, start together on the ice.

The ice skaters push apart and they move off in opposite directions.



(a) State the law of conservation of momentum.

(b) Calculate the velocity of skater **A** after pushing.

[1]

Use the information and your knowledge of momentum to help

[2]

Total Marks for Question Set 22: 3

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