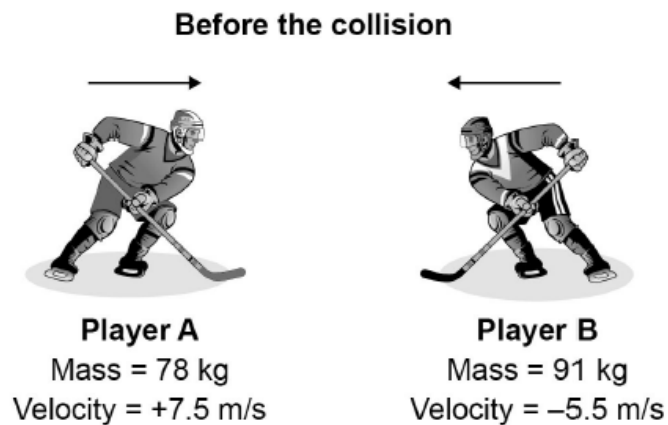


**AQA - Momentum – GCSE Physics**1. **June/2020/Paper\_2H/No.5**

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**Figure 7** shows two ice hockey players moving towards each other. They collide and then move off together.

**Figure 7**

During the collision, the total momentum of the players is conserved.

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What is meant by 'momentum is conserved'?

**[1 mark]**

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0 5 . 2

Immediately after the collision the two players move together to the right.

Calculate the velocity of the two players immediately after the collision.

**[4 marks]**

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Velocity = \_\_\_\_\_ m/s

0 5 . 3

The ice hockey players wear protective pads filled with foam.

Explain how the protective pads help to reduce injury when the players collide.

**[3 marks]**

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