

Q1.

A person jumps as high as she can from a standing position.

What is a reasonable estimate of her speed just after she leaves the ground?

A 2 m s^{-1}

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B 4 m s^{-1}

☐

C 8 m s^{-1}

☐

D 10 m s^{-1}

☐

(Total 1 mark)

Q2.

A car travels at 100 km h^{-1} on a motorway.

What is an estimate of its kinetic energy?

A 10^4 J

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B 10^6 J

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C 10^8 J

☐

D 10^{10} J

☐

(Total 1 mark)