

14 In this question use $g = 10 \text{ m s}^{-2}$.

A man of mass 80 kg is travelling in a lift.

The lift is rising vertically.

This source has been removed due to third-party copyright restrictions.

The lift decelerates at a rate of 1.5 m s^{-2}

Find the magnitude of the force exerted on the man by the lift.

[3 marks]