

- 7 A man of 70 kg stands on a weighing scale in a lift. The lift begins to ascend with an acceleration of  $0.80 \text{ m s}^{-2}$ , before slowing to a stop with a maximum deceleration of  $0.30 \text{ m s}^{-2}$ .

What is the difference between the maximum and minimum reading of his mass observed on the weighing scale?

- A** 2.1 kg      **B** 3.6 kg      **C** 5.7 kg      **D** 7.8 kg

