

- 10** A lift moves upwards from rest with an acceleration a . A student of mass 70 kg standing in the lift exerts a force of 800 N on the floor of the lift.

Which of the following expressions could be used to determine a ?

- ☐ **A** $70g = 70a$
- ☐ **B** $800 = 70a$
- ☐ **C** $800 - 70g = 70a$
- ☐ **D** $70g - 800 = 70a$

(Total for Question 10 = 1 mark)