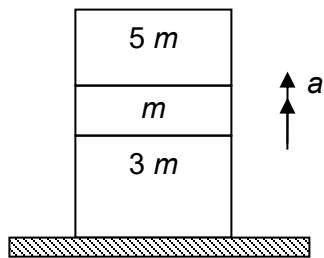


- 5 Three crates of masses $5m$, m and $3m$ are stacked on top of one another on the floor of a lift as shown in the figure below.



When the lift is accelerating upwards with an acceleration a , the magnitude of the force mass m exerts on the mass $3m$ is given by

- A $6mg - 3ma$ B $6mg + 3ma$ C $6mg - 6ma$ D $6mg + 6ma$