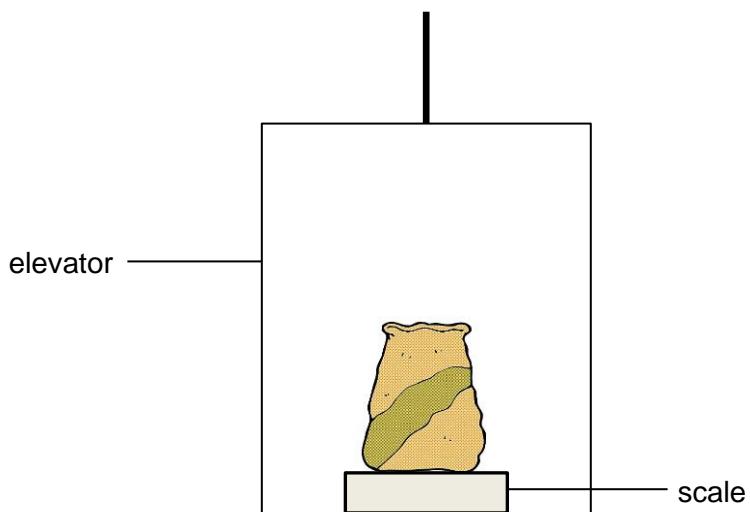


- 6** An elevator is used to either raise or lower sacks of rice. In the diagram, a sack of rice of mass 10 kg is placed on a scale in an elevator. The scale reads 12 kg when the elevator is accelerating.



Which of the following gives the magnitude and direction of the acceleration of the elevator?

- A** 0.20 m s^{-2} upwards
- B** 0.20 m s^{-2} downwards
- C** 2.0 m s^{-2} upwards
- D** 2.0 m s^{-2} downwards