

- 11** A rocket of mass 30 000 kg sits on a launch pad on the Earth's surface. The rocket motors provide an upward force of 330 kN on the rocket.

What is the initial acceleration of the rocket?

- A**  $0.12 \text{ m s}^{-2}$
- B**  $1.1 \text{ m s}^{-2}$
- C**  $1.2 \text{ m s}^{-2}$
- D**  $11 \text{ m s}^{-2}$