

**8** An area of land is at a distance of 2.0 m below sea level. To prevent flooding, pumps are used to lift rainwater up to sea level.

What is the minimum pump output power required to lift  $1.3 \times 10^9$  kg of rainwater per day?

**A** 15 kW

**B** 30 kW

**C** 150 kW

**D** 300 kW

**9** The minute hand of a large clock is 3.0 m long.