

- 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