

**6** In a boiler, energy is transferred to water at a rate of  $40\text{ kW}$ . The corresponding power loss from the boiler to the surroundings is  $4.0\text{ kW}$ .

Which of the following is the efficiency of this boiler?

☐ **A**  $0.10$

☐ **B**  $0.11$

☒ **C**  $0.90$

☐ **D**  $0.91$

**(Total for Question 6 = 1 mark)**