

- 8** Water is pumped through a hose-pipe at a rate of 90 kg per minute. Water emerges horizontally from the hose-pipe with a speed of  $20 \text{ m s}^{-1}$ .

What is the minimum force required from a person holding the hose-pipe to prevent it moving backwards?

- A** 30 N                      **B** 270 N                      **C** 1800 N                      **D** 110 000 N