

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

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

- A** 30 N                      **B** 270 N                      **C** 1800 N                      **D** 10 800 N

**Space for working**