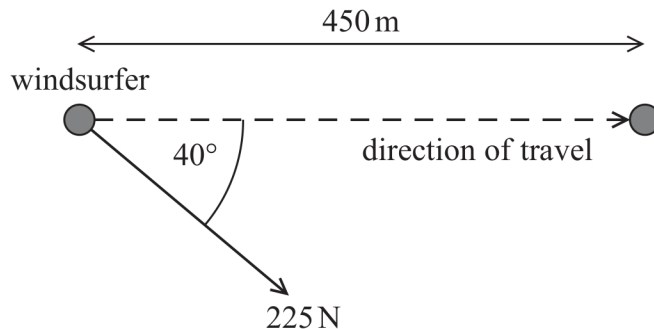


- 2 The wind exerts a force of 225 N on a windsurfer. The windsurfer moves a distance of 450 m at an angle of 40° to the wind, as shown.



Which of the following expressions gives the work done, in joules, on the windsurfer?

- ☐ A 225×450
- ☐ B $225 \times 450 \times \cos 40^\circ$
- ☐ C $225 \times 450 \times \sin 40^\circ$
- ☐ D $225 \times 450 \times \tan 40^\circ$

(Total for Question 2 = 1 mark)