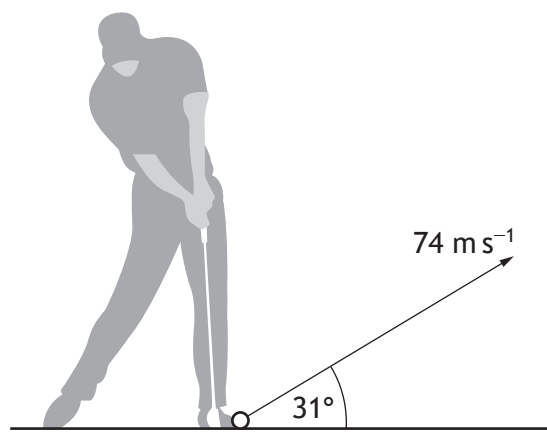


5. A golfer strikes a golf ball as shown.



The ball leaves the club with an initial velocity of  $74 \text{ m s}^{-1}$  at an angle of  $31^\circ$  to the horizontal.

Which row in the table shows the horizontal and vertical components of the initial velocity of the golf ball?

	Horizontal component of the initial velocity of the golf ball ( $\text{m s}^{-1}$ )	Vertical component of the initial velocity of the golf ball ( $\text{m s}^{-1}$ )
A	38	44
B	38	63
C	44	38
D	63	38
E	63	44