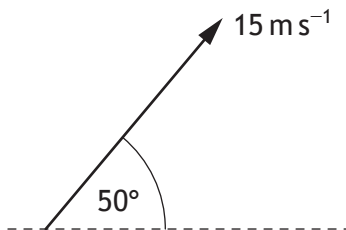**2.** A stone is thrown at 50° to the horizontal with a speed of $15\,\text{m s}^{-1}$.

Which row in the table gives the horizontal component and the vertical component of the initial velocity of the stone?

	Horizontal component (m s^{-1})	Vertical component (m s^{-1})
A	15 sin 50	15 cos 50
B	15 cos 50	15 sin 50
C	15 cos 50	15 sin 40
D	15 cos 40	15 sin 50
E	15 sin 50	15 cos 40