A particle P is projected with speed $V \text{m s}^{-1}$ at an angle 75° above the horizontal from a point O on a

	Show that the total time of flight, in seconds, is $\frac{2V}{g}\sin 75^{\circ}$.	[2
•		
•		
	the sprojected as before but now strikes the barrier, rebounds and returns to O . The sprojected as before but now strikes the barrier, rebounds and returns to O .	15 m from <i>O</i> . The coefficient α
it	nooth vertical barrier is now inserted with its lower end on the plane at a distance cle is projected as before but now strikes the barrier, rebounds and returns to O . Tuttion between the barrier and the particle is $\frac{3}{5}$. Explain why the total time of flight is unchanged.	The coefficient of
t	cle is projected as before but now strikes the barrier, rebounds and returns to O . The tution between the barrier and the particle is $\frac{3}{5}$.	The coefficient of
t	cle is projected as before but now strikes the barrier, rebounds and returns to O . The tution between the barrier and the particle is $\frac{3}{5}$.	The coefficient of
t	cle is projected as before but now strikes the barrier, rebounds and returns to O . The tution between the barrier and the particle is $\frac{3}{5}$.	The coefficient of
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