8	A particle P projected from a point O on horizontal ground hits the ground after 2.4 seconds.	
	The horizontal component of the initial velocity of P is $\frac{5}{3}d$ m s ⁻¹ .	
	(a) Find, in terms of d , the horizontal distance of P from O when it hits the ground.	[1]
	(b) Find the vertical component of the initial velocity of P .	[2]
	P just clears a vertical wall which is situated at a horizontal distance d m from O .	
	(c) Find the height of the wall.	[3]
	The speed of P as it passes over the wall is $16 \mathrm{ms^{-1}}$.	
	(d) Find the value of d correct to 3 significant figures.	[4]