7

The points O and P are on a horizontal plane, a distance $8\,\mathrm{m}$ apart. A ball is thrown from O with speed

IIOU	I. The model aircraft moves horizontally with a constant speed of $5 \mathrm{ms}^{-1}$. After $T \mathrm{s}$, the ball a del aircraft collide.		
a)	Find the value of <i>T</i> .	[6	

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