

4	<p><b>B is the correct answer</b></p> <p>A is not the correct answer as this would give a final velocity of <math>80 \text{ m s}^{-1} \text{ N}</math></p> <p>C is not the correct answer as this would give a final velocity of <math>120 \text{ m s}^{-1} \text{ N}</math></p> <p>D is not the correct answer as this would give a final velocity of <math>20 \text{ m s}^{-1} \text{ S}</math></p>	(1)
5		(1)