

10C

Base distance =  $\frac{1}{2}$  ( difference of distance covered in successive frames) =  $\frac{1}{2}(0.5-0.35)=0.07$

Maximum frame multiplier = First distance / base distance =  $0.5 / 0.07 = 7$

Frame No	Frame multiplier	Distance covered
		base distance X frame multiplier
1	7	$7 \times 0.07 = 0.5\text{m}$
2	5	$5 \times 0.07 = 0.35\text{m}$
3	3	$3 \times 0.07 = 0.21\text{m}$
4	1	$1 \times 0.07 = 0.07\text{m}$