

Question	Answer	Mark	Comments
1(a)	20	B1	
	Additional Guidance		
1(b)	Horizontal line from (09.00, 20) to (10.00, 20)	B1	
	Straight line with a negative gradient from their (10.00, 20) to (11.30, 0)	B1ft	ft their (10.00, 20)
	Additional Guidance		
	Tolerance within one small square		
	Accept unruled line if intention for straight line is clear		
	Their (10.00, 20) can be (09.00, 20)		
	Their 10.00 cannot be earlier than 09.00		

Q	Answer	Mark	Comments
2(a)	7	B1	
Q	Answer	Mark	Comments
2(b)	15	B1	
Q	Answer	Mark	Comments
2(c)	20 + 3 or 23 or 10.58	M1	may be implied by a journey (lines or curves) ending at 10.58 on the graph
	Straight line from (10.35, 7) to (10.58, 0)	A1	$\pm \frac{1}{2}$ small square ignore any other working lines on the graph
	Additional Guidance		
	Fully correct graph		M1A1
	Accept unruled line if intention clear		

Q	Answer	Mark	Comments
3(a)	30 or $\frac{1}{2}$ and 15 or $\frac{1}{4}$ or 45 or $\frac{3}{4}$	M1	oe allow no units or incorrect units may be on graph
	45 minutes or $\frac{3}{4}$ hour	A1	oe
	Additional Guidance		
	Allow abbreviated units eg 45 min(s) eg condone 45 m eg $\frac{3}{4}$ h		M1A1 M1A1 M1A1
	45 minutes in working with answer 45		M1A1
	$\frac{3}{4}$ hour in working with answer $\frac{3}{4}$		M1A1
	0.3 + 0.15 is M0 unless recovered to 45		

Q	Answer	Mark	Comments
3(b)	29 or 4 + 25	M1	oe may be embedded 29 may be on graph eg on y-axis
	58	A1	SC1 54
	Additional Guidance		
	29 × 2 with no or incorrect evaluation		M1A0
	Allow the first mark embedded in a calculation eg 29 + 4 or 29 + 5 + 25 or 29 + 29 + 25 + 25 or 29 – 25		M1A0

Q	Answer	Mark	Comments
4	A change in distance for an integer time interval or a change in distance for a non-integer time interval with the corresponding time interval	M1	integer time intervals are [88, 92] [70, 74] [52, 56] [34, 38] [16, 20] may be seen on graph
	$\frac{\text{their change in distance}}{\text{corresponding time interval}}$	M1dep	oe eg $\frac{[88, 92]}{5}$ must see their change in distance and the corresponding time interval division by 1 may be implied
	18	A1	SC1 24
	Additional Guidance		
	M1 may be awarded for correct work with no answer or incorrect answer, even if this is seen amongst multiple attempts		
	90×5		M1M0
	(1 second) Answer [16, 20] is awarded at least M2		
	18 from incorrect working cannot score A1		
	18 followed by further work eg $18 \div 5 = 3.6$		M1M0