

Real Life and Distance Time Graphs

June 2023 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
10 (a)	6	B1	cao	
10 (b)	14 00	M1	for use of graph to find the maximum time paid for, eg £9.00 = 6 hours	May be seen on graph
		M1	for intention to add times, eg 08 00 + “6” hrs	8, 9, 10, 11, 12, 1 is enough to show a clear intention to add For method marks condone use of incorrect time notation
		A1	for 14 00 or 2 pm	Correct time notation required

June 2020 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
10 (a)	80	B1	cao	
	8	B1	cao	
(c)	Yes and reason	C1	for yes and reason Acceptable examples Yes, because 27 is greater than 7 Yes, because the drop is 20 more Yes, the gradient is steeper (in the first 3 mins) and is then less steep (in the last 3 mins) Yes, because the drop is 20 less in the last 3 mins Yes, because the drop is more Not acceptable examples No Yes, because the drop is 20 less	“Yes” may be implied from wording Ignore any references to actual readings from the graph

June 2023 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
13 (a)(i)	30	B1	cao	
(ii)	10	B1	cao	
(b)	Drawn	M1	for a line from (1330 , 35) to (1500 , 35) or a line to the x axis from a point on $y = 35$ to 1600 on the x axis	
(c)	35	A1	fully correct graph	
		B1	for 35 or ft their graph	ft must be $35 \div$ time duration for their line

November 2024 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
14 (a)	2	B1	cao	
(b)	Graph completed	M1	for straight line from (3, 5) to (5, 5) or for a straight line from (5, 5) to (630, 0) or line drawn from (3, 5) to (430, 0) or a line drawn from (x, 5) to (x + 130, 0) where $x \geq 3$	Accept hand drawn, ruler not required but intention clear
		A1	cao	

November 2021 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
14 (a)	15	B1	14 to 16	
(b)	540	M1	for a complete method, eg $30 \times (36 \div 2)$ or $45 \times (36 \div 3)$ or $60 \times (36 \div 4)$ or ft “hourly rate from (a)” $\times 36$	May be seen using a complete build up method for “45” allow 44 to 46 ft for accuracy
		A1	for 540 or ft (a)	Condone use of mixed rates eg $75 \times 7 + 16 = 541$

November 2022 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
19 (a)	15	B1	cao	
(b)	4.6	B1	for an answer in the range 4.4 to 4.8	
(c)	12	M1	for a method to calculate speed eg distance \div time (could be implied from figures used)	Accept readings from the graph as an indication at this stage
		A1	eg $4 \div 20 (= 0.2)$ oe, $4 \div 0.33(\dots)$ oe or $4 \div 1/3$ oe	
		A1	cao	

November 2021 Paper 2

Question	Answer	Mark	Mark scheme	Additional guidance
23 (a)	80	M1 A1	for a complete method eg $\frac{20}{15} \times 60$ or 20×4 or $20 \div \frac{1}{4}$ cao	
(b)	Travel graph	M1 C2 (C1	for method to find distance travelled in last 20 minutes, eg $75 \times \frac{20}{60}$ (= 25) for a fully correct travel graph or for a horizontal straight line from (10 15, 20) to (10 25, 20) or for a line of the correct length and gradient to indicate a speed of 75km/h eg straight line from (10 25, 20) to (10 45, 45))	Can be implied by a distance of 25km drawn on the graph