

Q1 june 2019

9	(a)	6	M1	for method to find distance, eg $4 \times \text{time difference}$ or 30 mins = 2 miles	10.30 am – 9 am may be seen as 1.5(hr) or 1(hr) 30 (min) or 90 (min) or $\frac{3}{2}$ (hr) or $1\frac{1}{2}$ (hr)
			A1	cao	
	(b)	12 35 pm	M1	for method to add time using consistent units eg 11 20 or 50 + 75 or 2 hours 5 mins	
			A1	12 35 pm or 12 35 (h)	Allow 12 35 but not 12 35 am

Q2 june 2022

16	(a)	(0)8 45	P1	for $50 \div 40 (= 1.25)$ oe or (time $\Rightarrow$) (0)8 30 (after travelling for) 40 miles	
			P1	for a process to convert their time to minutes or hours and minutes, eg “1.25” $\times 60 (= 75 \text{ mins} = 1 \text{ hr } 15 \text{ mins})$ or for $\frac{10}{40} \times 60 (= 15 \text{ mins})$	May be seen as a build-up method and may state 1 hour 15 mins
			A1	for (0)8 45 oe	SC: B2 for answer of (0)8 55 ($= 7.30 + 1.25$)
	(b)	Explanation	C1	Acceptable examples It will be earlier Time will be reduced He will get there quicker/faster He will arrive at a different time The journey will be shorter so he will arrive earlier Not acceptable examples He will arrive later The time will increase	Explanations must be unambiguous

Q3 Nov 2018

24	(a)	16 to 20	P1	for using time = $\frac{\text{distance}}{\text{speed}}$, eg $\frac{1}{200}$ or $\frac{1}{213}$ or for 1 hour = $60 \times 60 (= 3600)$ seconds	
			P1	complete process, eg $\frac{1}{200} \times 60 \times 60$ oe or $\frac{1}{213} \times 60 \times 60$	Calculation could be done in stages.
			A1	for answer in range 16 to 20	
	(b)	decision with reason	C1	(dep on correct use of time = $\frac{\text{distance}}{\text{speed}}$) for reason related to their response to part(a), eg overestimate as speed rounded down	

Q4 Nov 2019

16	(a)	45	B1	cao	
	(b)	50	M1	for an attempt to find the gradient eg “25” $\div$ “0.5” ft their readings from the travel graph; use of speed-time formula eg $25 \div 30$ (ignore units if shown)	could be shown in working or on the graph using any acceptable triangle; could be shown by multiples of 25, 0.5 or multiples of ft figures
			A1	cao	

Q5 Nov 2022

14	(a)	81	M1	for $54 \times [\text{time}]$ eg $54 \times 1\frac{1}{2}$ oe, or $54 \div 54 \div 2$ oe	[time] could be $1\frac{1}{2}$ oe or any other time that has been changed from $1\frac{1}{2}$, eg 90 (mins) or 1.30 or 130
			A1	cao	