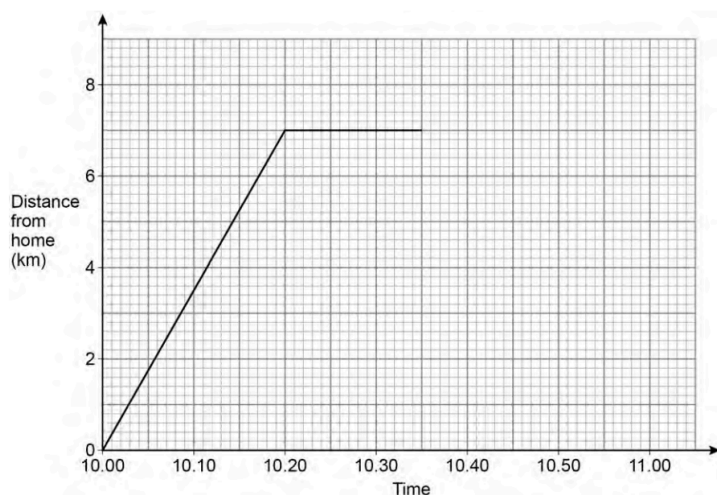


Q1. (2020)

Q	Answer	Mark	Comments
25	Alternative method 1		
	$12 \times \frac{30}{60}$ or $12 \times \frac{1}{2}$ or 6	M1	oe eg $12 \div 2$
	$135 - 90$ or 45	M1	oe eg $\frac{3}{4}$
	8	A1	
	Alternative method 2		
	$\frac{30}{135-90}$ or $\frac{30}{45}$ or $\frac{2}{3}$ or $\frac{135-90}{30}$ or $\frac{45}{30}$ or $\frac{3}{2}$	M1	oe eg $30 : (135 - 90)$ or $30 : 45$ or $2 : 3$ or $(135 - 90) : 30$ or $45 : 30$ or $3 : 2$
	$12 \times \frac{30}{135-90}$	M1dep	oe eg $\frac{12 \times 30}{45}$ eg $12 \div \frac{3}{2}$
	8	A1	
	Additional Guidance		
	Award M1 or M2 work even if not subsequently used		
	Check diagram for working		
	0.133... implies M1M1		
	$12 \div 3 = 4$ and $12 - 4 = 8$		M2A1
	Answer -8		M2A0
	Ignore units unless 6 or 45 is from clearly incorrect working eg $12 \text{ (mph)} = 60 \text{ minutes}$ $6 \text{ (mph)} = 30 \text{ minutes}$ eg $12 \text{ (mph)} = 30 \text{ minutes}$ $6 \text{ (mph)} = 15 \text{ minutes}$		M1 M0

Q2. (2023)

- 6 Scarlett leaves home at 10.00 to cycle to the supermarket.
Here is part of a distance-time graph of her trip to the supermarket.



(A)

Q	Answer	Mark	Comments
6(a)	7	B1	

(B)

Q	Answer	Mark	Comments
6(b)	15	B1	

(C)

Q	Answer	Mark	Comments
6(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 unrulred line if intention clear		