

Q1. (2017)

17	Alternative method 1		
	1 mile per minute or 60 miles per hour or 0.15 (hours) or 1.6 (hours) or $1\frac{36}{60}$ (hours)	B1	
	$9 \div 50$ or 0.18	M1	oe
	$70 \times 1\frac{36}{60}$ or 70×1.6 or 112	M1	oe
	their $112 \div 40$ or 2.8	M1dep	dep on 2nd M1
	2.98 or 2.8 and $(3 - 0.18 =) 2.82$ or 0.18 and $(3 - 2.8 =) 0.2$	A1	Ignore fw
	Alternative method 2		
	1 mile per minute or 60 miles per hour or 0.15 (hours) or 1.6 (hours) or $1\frac{36}{60}$ (hours)	B1	
	$9 \div 50$ or 0.18	M1	oe
	$70 \times 1\frac{36}{60}$ or 112 or 70×1.6 or 112	M1	
	$40 \times (3 - \text{their } 0.18)$ or 112.8	M1dep	dep on 1st M1
	112.8 and 112	A1	Ignore fw

Q2. (2020)

Q	Answer	Mark	Comments
8	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 (mph) = 60 minutes 6 (mph) = 30 minutes eg 12 (mph) = 30 minutes 6 (mph) = 15 minutes		M1 M0