SPEED-DISTANCE-TIME-SET-1					
1	A bus leaves Afford at 07 55. It travels 15 km to Beetown at a speed of Find the time the bus arrives in Beetown.		n/h.		
			Answer	[3]	
MS-1	08 13 oe	3	M1 for distance/speed seen (implied by 0.3) A1 for 18 minutes	[3]	
		1			
2	Joe is training for a triathlon.  During one training session he  • swims 1 km in 15 minutes, • cycles 20 km at a speed of 20 k • runs at a speed of 8 km/h for 45  Calculate Joe's average speed for the training Give your answer in kilometres per hour.	5 minu ining s		[3]	
MS-2	13.5	3	B1 for total distance = 27km B1 for total time = 2 hours	[3]	

3	Wendy walks 9km in $1\frac{1}{2}$ hours. She then runs 9km in 45 minutes. Find her average speed in km/h for the whole journey.			
	Answerkm/h [3]			
MS-3	8 B1 for 2.25 o.e. or 135 seen M1 $\frac{18}{their(2.25)}$ or $\frac{18}{135} \times 60$			
4	Alex drives 40 km to work at a speed of 50 km/h. He leaves home at 07 45.  Find the time he arrives at work.			
MS-4	[0]8 33 <b>M2</b> for $\frac{40}{50} \times 60$ oe or <b>M1</b> for $\frac{40}{50}$ soi			

5	Sacha drove 425 km from home at an average speed of 100 km/h.				
	(a) Calculate the time for the journey giving your answer in hours and minutes.				
	(b) The return journey took 3 hours and 55 minutes. She started at 21 56.  At what time did she arrive home?				
MS-5	(a)	4 [h] 15 [min]		2	M1 for 425 ÷ 100 soi by 4.25 oe
	(b)	[0]1 51 oe			
		[0]1 31 00			<b>B1</b> 101 23 31
6	A car tray	vels 85 km in 50 minutes.			
Ü			nswer in k	m/h	
	Find the average speed of the car, giving your answer in km/h.				
					km/h [2]
MS-6	102	2.	2	2 M1	for $\frac{85}{50} [\times 60]$ oe

7	Erica walks 13 km in 2 hours. She then runs at a speed of 12 km/h for 45 minutes.				
	Find her average speed in km/h for the whole journey.				
					km/h [3]
MS-7	8		3	M1 for	correctly finding total time or total
				distance M1 for	their distance/their time
	ı		I		
8	Danny stands to watch a train go past. The train has a length of 120 m and takes 3 seconds to pass.				
	Find the speed of the train				
	(a) in m/s,				
					m/s [1]
	(b) in km/h.				
					km/h [2]
MS-8	(a)	40		1	
	(b)	144		2	FT their (a) 60×60
					M1 for their $40 \times \frac{60 \times 60}{1000}$ oe or
					$\frac{120}{1000\times3}\times60\times60 \text{ oe}$

9	Xian walks 8 km in $1\frac{1}{2}$ hours.			
	She then runs 10 km in 45 minutes.			
	Find her average speed in km/h for the whole journey.			
		1 / 1/27		
		km/h [3]		
MS-9	tota	distance l time oe		
	B1 for 2.25 or	e seen		