

CALCULATING TIME-SET-1

1	<p>The distance from the Earth to the Moon is 3.8×10^5 km. A spacecraft travels this distance four times. Calculate the total distance travelled. Give your answer in standard form.</p> <p style="text-align: right;"><i>Answer</i> km [2]</p>			
MS-1	(a)	$4 \times 3.8 \times 10^5$ $1.52(0\dots) \times 10^6$	M1 A1	If zero scored SC1 for 1.5×10^6 ww. www 2 <p style="text-align: right;">[2]</p>
2	<p>A bus leaves Afford at 07 55. It travels 15 km to Beetown at a speed of 50 km/h. Find the time the bus arrives in Beetown.</p> <p style="text-align: right;"><i>Answer</i> [3]</p>			
MS-2		08 13 oe	3	M1 for distance/speed seen (implied by 0.3) A1 for 18 minutes <p style="text-align: right;">[3]</p>

3	<p>Alex drives 40km to work at a speed of 50km/h. He leaves home at 07 45.</p> <p>Find the time he arrives at work.</p> <p style="text-align: right;">..... [3]</p>		
MS-3	[0]8 33	3	<p>M2 for $\frac{40}{50} \times 60$ oe</p> <p>or M1 for $\frac{40}{50}$ soi</p>
4	<p>Sacha drove 425 km from home at an average speed of 100 km/h.</p> <p>(a) Calculate the time for the journey giving your answer in hours and minutes.</p> <p style="text-align: right;">..... h min [2]</p> <p>(b) The return journey took 3 hours and 55 minutes. She started at 21 56.</p> <p>At what time did she arrive home?</p> <p style="text-align: right;">..... [2]</p>		
MS-4	(a) 4 [h] 15 [min]	2	M1 for $425 \div 100$ soi by 4.25 oe
	(b) [0]1 51 oe	2	B1 for 25 51