

7	(i)		9483	B1 [1]	1.1	BC	
7	(ii)		$7 \times 10\,112 + 10\,259 - 10\,014$ soi $= 71\,029$ $66\,381 - 9\,204 + x = \text{"71\,029"}$ Emma needs to make 13852 steps	M1 A1 M1 A1 [4]	3.1a 1.1 1.1 3.2a	NB Rose's new mean is 10147 Using 8 days can gain M1 only	$\frac{7 \times 10\,112 + 10\,259 - 10\,014}{7}$ $= 10\,147$ $= \frac{66\,381 - 9\,204 + x}{7}$
7	(iii)		$10\,341 + 2 \times 948$ soi $= 12\,237$ Comparison of their 13852 with their 12237 13852 is an outlier, so Emma would need to make an unusually high number of steps on day 8	M1 M1 A1 [3]	3.1b 1.1 3.2b	Soi Conclusion; 'outlier' not essential. Dep M2 www	