Question 5 (12 marks)

A stall at a local market sells leather handbags. Sales over the past three weeks are tabulated, along with other calculations.

Week	Day	t	Sales	3 point moving average	Daily mean	Percentage of daily mean	Deseasonalised sales
1	Friday Saturday Sunday	1 2 3	2 9 4	5 5.33	5	40 180 80	4 6 4
2	Friday Saturday Sunday	4 5 6	3 6 6	4.33 5 5	5	60 120 120	6 4 6
3	Friday Saturday Sunday	7 8 9	3 9 6	6 6 —	6	50 150 100	6 6

(a) Show clearly how each of the numbers in bold type was calculated.

(3 marks)

5.33

120

6

(b)	Determine the seasonal index for Friday and explain its meaning.	(2 marks)

