

(b) The fairground owner recorded the number of people coming into his fairground during the different seasons.

Season	Winter 2010	Spring 2010	Summer 2010	Autumn 2010	Winter 2011	Spring 2011	Summer 2011
Number of people	234	156	316	230	326	456	324

(i) Calculate the 4-point moving averages and complete the table below.

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4-point period ending:	Autumn 2010	Winter 2011	Spring 2011	Summer 2011
4-point moving average				

[3]

(ii) The fairground owner looks at the moving average with his staff. Explain why considering the moving average is worthwhile.

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[1]

(iii) The fairground owner states “we were as busy in Summer 2011 as we were in Spring 2011”. Explain fully the mathematical error in his statement.

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[1]