

(b) An optician records the number of pairs of glasses she sells in each season.

Year	2011				2012	
Season	Winter	Spring	Summer	Autumn	Winter	Spring
Number of pairs of glasses	1084	2124	4326	1242	1348	2456

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

.....

.....

.....

.....

.....

.....

4 season time period ending:	Autumn 2011	Winter 2012	Spring 2012
4-point moving average:			

[3]

(ii) In the summer of 2011 the optician had the following offer

Buy one pair and get a second pair half price.

She has decided not to repeat this offer in the summer of 2012, but instead to have a promotion in the autumn of 2012

Buy one pair get one free.

Explain fully what impact this may have on the 4-point moving average for the 4 season time period ending in the summer of 2012.

.....

.....

.....

.....

[2]