

(b) The number of adults visiting the monument during the different seasons was recorded.

| | | | | | | | |
|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Season | Winter 2012 | Spring 2012 | Summer 2012 | Autumn 2012 | Winter 2013 | Spring 2013 | Summer 2013 |
| Number of adult visitors | 24 | 86 | 122 | 8 | 28 | 94 | 146 |

(i) Calculate 4-point moving averages and complete the table below. [3]

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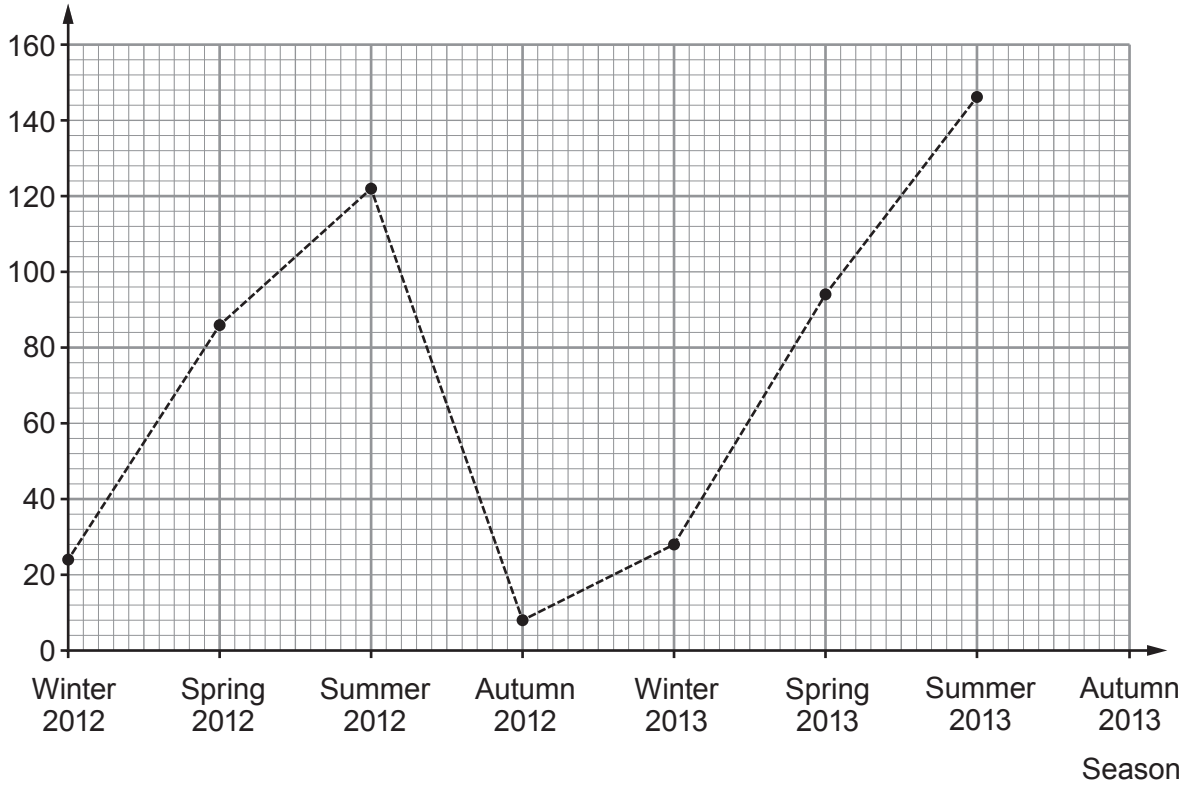
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|-------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 4-point period: | Winter 2012 to Autumn 2012 | Spring 2012 to Winter 2013 | Summer 2012 to Spring 2013 | Autumn 2012 to Summer 2013 |
| 4-point moving average: | | | | |

(ii) The time series graph for the number of adults visiting the monument during the different seasons has been plotted on the graph paper opposite. On this graph paper, plot the 4-point moving averages and draw a trend line. [3]

Number of adult visitors



- (iii) Use your graph to make two different comments about the **trend** in the number of adult visitors. One comment should refer to the time series and one comment to the trend line. [2]

Comment 1:

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Comment 2:

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