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| **Topic 4: Statistics and Probability** | **Box Plots and HIstograms** |
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| 1. The cumulative frequency graph shows the amount of time in minutes, 100 people wait in line for tickets to the local theater.
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| Image result for cumulative frequency graph |
| 1. Write down the median waiting time.
2. Find the interquartile range for the waiting time.
3. Draw a box and whisker plot on the grid below to represent this information.

Mark scheme:1. 14 min (+/- 1 min)
2.
3.
 | (1 mark)(2 marks)(3 marks)(A1)(A1)(A1)(A1) for the endpoints at 0 and 30(A1) for the ends of the box at 12 and 18(A1) for the correct median of 14 |
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