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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. | |  |
| 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) | | (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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