

Statistical diagrams 3b: Cumulative freq & box plots

Here we have the spend in one day by the customers of Bella's corner shop, rounded to the nearest pound.

Class interval	Freq	UB	Cum freq
0 – 2	10		
3 – 5	12		
6 – 10	15		
11 – 15	14		
15 - 25	9		
Total	60		

1) Given that the lowest spend was actually £1 and the highest was £23.50, plot a cumulative frequency graph and a box plot for the data in the table.

2) Use your graph to estimate how many customers spent in excess of £12.

