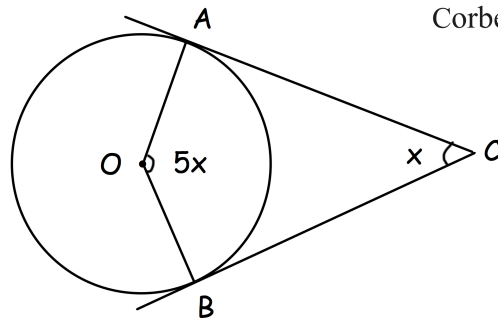
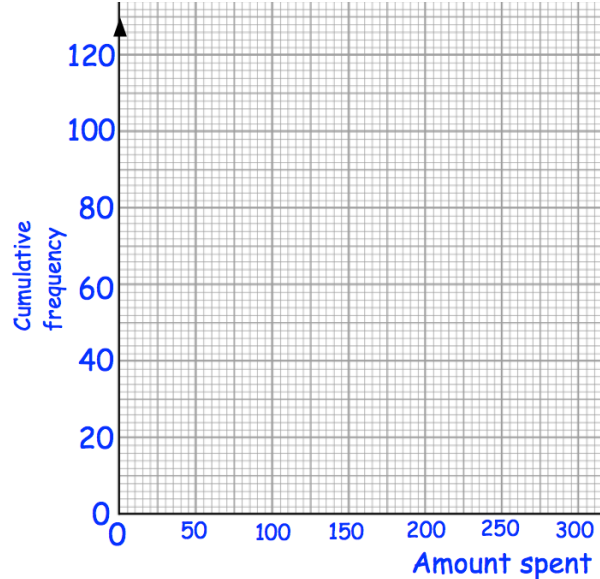




Find x



Amount spent, £ x	Cumulative frequency
$0 < x \leq 50$	6
$0 < x \leq 100$	30
$0 < x \leq 150$	80
$0 < x \leq 200$	100
$0 < x \leq 250$	112
$0 < x \leq 300$	120



Draw a cumulative frequency diagram

Use your diagram to estimate the median

Use your diagram to estimate the interquartile range.

Make m the subject of

$$dm = y - em$$