

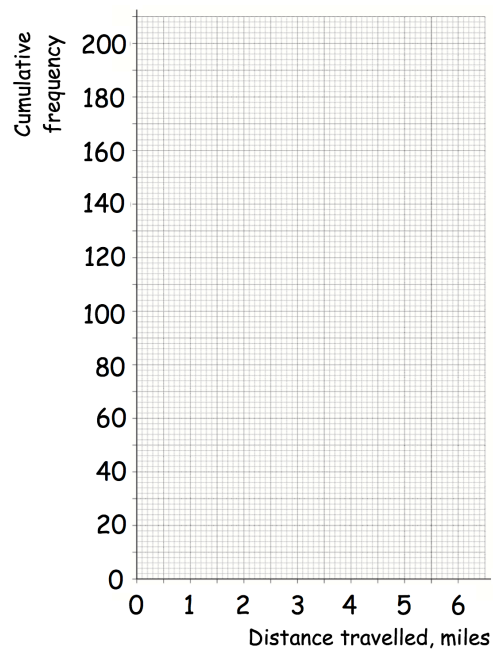


Distance, miles	Frequency
$0 < d \leq 1$	10
$1 < d \leq 2$	38
$2 < d \leq 3$	94
$3 < d \leq 4$	46
$4 < d \leq 5$	12

Complete the cumulative frequency table.

Distance, miles	Cumulative frequency
$0 < d \leq 1$	
$0 < d \leq 2$	
$0 < d \leq 3$	
$0 < d \leq 4$	
$0 < d \leq 5$	

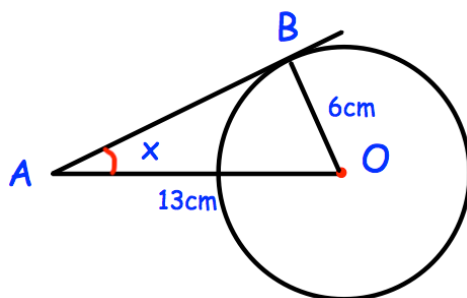
Draw the cumulative frequency graph for this information.



Using your graph, find an estimate for the interquartile range.

Using your graph, estimate how many people travelled more than 3.8 miles.

Find the equation of the line perpendicular to  $y = 5x + 2$  that passes through the point  $(1, -1)$



AB is a tangent.  
Find  $x$ .