



A recipe for a drink says

“mix 3 parts orange juice with 8 parts lemonade.”

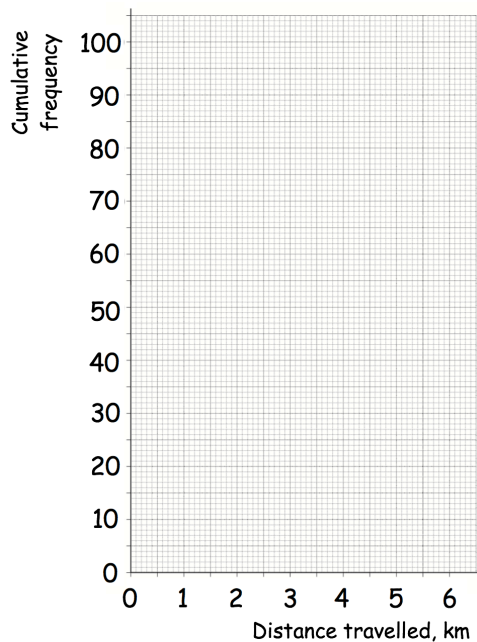
Victoria has 100ml of orange juice and 300ml of lemonade.

What is the maximum amount of the drink that she can make?

The table shows the distances the visitors to a library had travelled.

Distance, km	Frequency
$0 < d \leq 1$	4
$1 < d \leq 2$	15
$2 < d \leq 3$	27
$3 < d \leq 4$	30
$4 < d \leq 5$	4

Draw a cumulative frequency graph



Use your graph to estimate the interquartile range

Two of the visitors are picked at random.
Find the probability that they both travelled more than 4km.

Make a the subject of the formula

$$10(a - 3c) = 4(w + a)$$