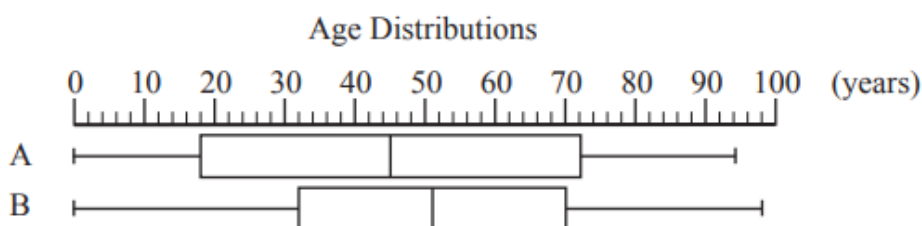


# M4 = 9 days to go!

14 Simplify  $\frac{5t}{6} - \frac{t}{2}$

Answer \_\_\_\_\_ [3]

25 The box plots show the distribution of ages of the people living in two cities, A and B.



(a) In which city is the interquartile range greater? How can you tell this from the diagram?

Answer city \_\_\_\_\_ because \_\_\_\_\_  
\_\_\_\_\_ [1]

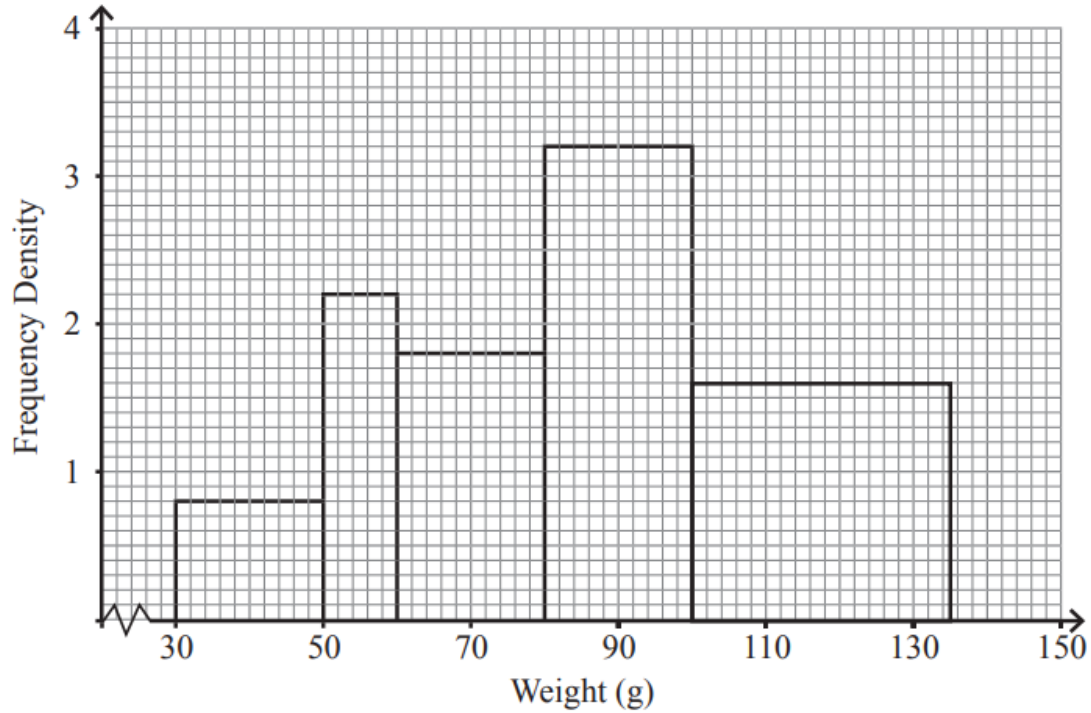
(b) In which city are people generally older? Explain your answer.

Answer city \_\_\_\_\_ because \_\_\_\_\_  
\_\_\_\_\_ [1]

(c) Complete the sentence

75% of the people in city A are aged over \_\_\_\_\_ [1]

- 19 The histogram shows the weights (g) of letters passing through a post office sorting machine in a day.



- (a) Use the graph to complete the frequency table for this data.

Weight $W$ (g)	
$30 \leq W < 50$	

[2]

- (b) Calculate an estimate of the median weight of the letters.

Answer \_\_\_\_\_ g [2]

- (c) Calculate an estimate for the weight of the lightest of the heaviest 50 letters.

Answer \_\_\_\_\_ g [3]