

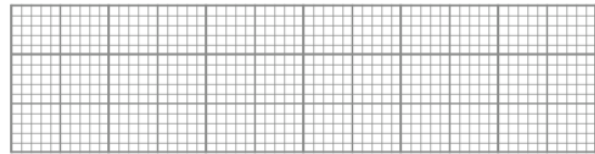


The ages of 15 teachers are:

53 26 61 45 37

22 35 40 29 37

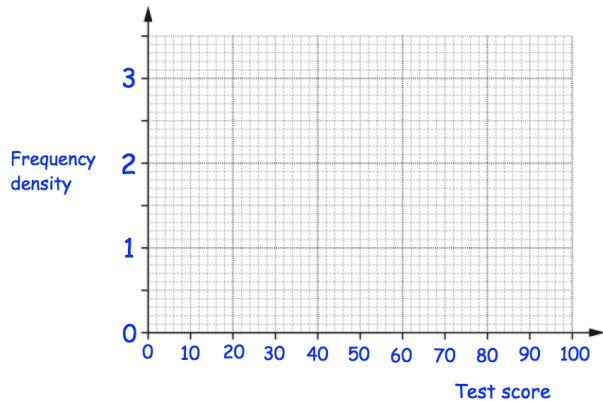
56 42 49 25 38



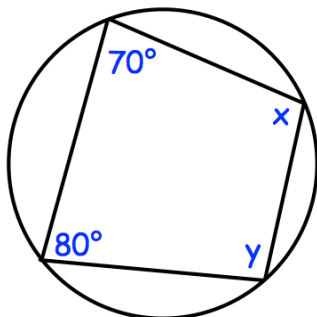
Draw a box plot to show this information

The table below shows the test scores in Year 11

Test score, x	Frequency
$0 < x \leq 30$	15
$30 < x \leq 40$	22
$40 < x \leq 50$	28
$50 < x \leq 70$	30
$70 < x \leq 100$	9



Draw a histogram for this data.



Find x and y

w is inversely proportional to c squared.

When $w = 400$, $c = 2$.

Find w when $c = 4$.