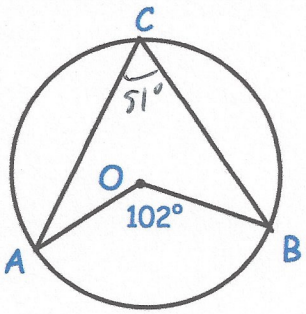
Name: _____ 5-a-day Higher

10th September

Corbettmaths



O is the centre of the circle.
Find the size of angle ACB.

$51°$

Solve $2x^2 - 19x + 35 = 0$

$(x-7)(2x-5)=0$

$x=7$ or $x=\frac{5}{2}$

$a(w + s) = e$

Rearrange to make w the subject.

$aw + as = e$

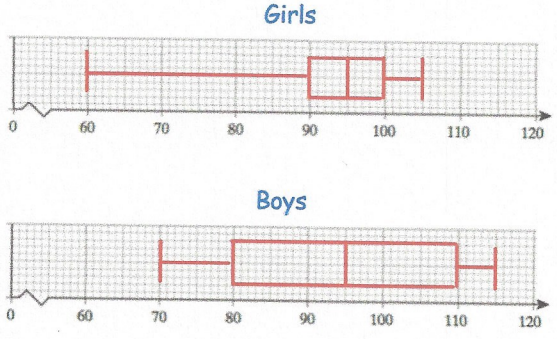
$aw = e - as$

$w = \frac{e-as}{a}$

or

$w = \frac{e}{a} - s$

20 girls and 20 boys sit a test.
The box plots show information about their results.



Work out the interquartile range for the girls.

$100 - 90 = 10$

Compare the distributions for the boys' results and girls' results.

The boys & girls have the same median score of 95, meaning on average they had the same representative score, however the boys ~~results~~ were spread out much more than the girls (IQR of 30 compared to 10)