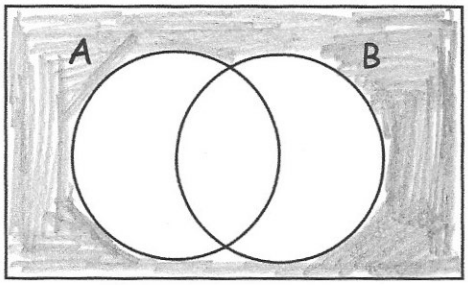
10th September **Higher 5-a-day**

Corbettmaths

Show $A' \cap B'$ on the Venn diagram.



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

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

$x = 2.5$ or $x = 7$

$a(w + s) = e$

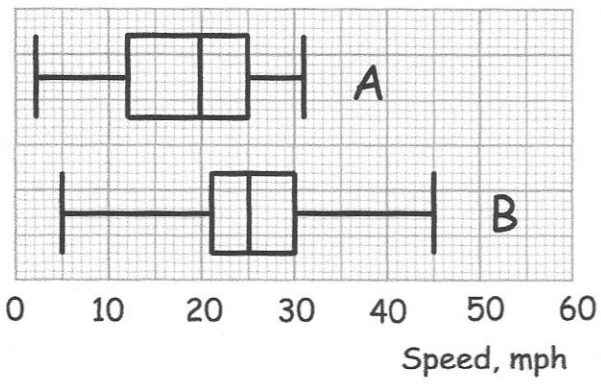
Rearrange to make w the subject.

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

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

The box plots show the speeds of cars travelling through two villages, A and B.

The speed limit in both villages is 30mph.



Compare the distributions of the speeds of the cars in village A and village B.

Faster in B (medians 25mph (B) & 20mph (A))

Speeds more spread out in A

(IQRs 13mph (A) & 9mph (B))

Lori thinks there should be a speed camera installed in village B.

What percentage of the cars exceeded the speed limit in village B?

25%