

February 22<sup>nd</sup>

Lee is 100% older than his brother Cain.  
In eight years time he will only be 20% older than Cain.

How old are Lee and Cain?



If Cain is  $p$  years old,  
therefore Lee is  $2p$  years old.

In 8 years:

Cain is  $(p + 8)$

Lee is  $(2p + 8)$

But also  $2p + 8 = 1.2(p + 8)$

Hence  $0.8p = 1.6$

Therefore  $p = 2$

So **Lee is 4 and Cain is 2**