Subtracting Negative Numbers

I know 8 + 5 = 13but why does 8 - 5 = 13 as well ?

Suppose John has £13 plus a bill for £5 (repairs to

his bike). He effectively has £8 net, because at

sometime he has to pay the bill.

Now if



 a) Rich Uncle George gives him £5; he can pay the bill and still have £13 in his pocket.

or



 b) Generous Aunt May could say "Let me have that bill for £5, John, I'll pay it for you", in which case he again has £13 in his pocket.

Uncle giving him +£5 (the note) or Auntie taking away -£5 (the bill) has the same end result – John has £13 left to spend on himself.