Thursday Maths Challenge

How do we know that these statements are true?

a) 5 is a factor of 195 but not a factor of 196

b) 3 is a factor of 177 but not a factor of 178

c) 20 is a factor of 180 but not a factor of 190

Is this statement always, sometimes or never true?

A number will always have an even number of factors because factors come in factor pairs.