

Epreuve 4 : Ticket de ciné

Maxi sets Clemence a challenge. He says to him: "Here is the addition : $1+2+3+4+5+6+7+8+9$. If you can take one + sign away from this addition to get a number that is not a multiple of 9, I will take you to the cinema. If not then you have to take me - and you pay for us both."

To help he gives an example: If you take away the sign in bold here $1+2+3+4+5+6+7+8+9$, you get : $1+2+3+4+56+7+8+9=90$."

Is Max sure that he is going to be paid into the cinema? Justify your answer.

