

Sten invented a time machine. He travelled forward in time 13 years. Then he set the machine to go back 8 years. He thinks this will put him 7 years into the future. Is he correct?



No, Sten is wrong. If he travels 13 years into the future and then travels back 8 years, he'll end up at 5 years into the future: $13 - 8 = 5$.



What would happen if Sten travelled back in time 5 years, but then traveled forward 10 years? Would he end up in the past or in the future?