

Question 1

Kanesha is examining her gas bill. She sees that a unit of gas sells for $\text{£}a$. This price is then increased by $b\%$.

A month later, Kanesha notices that the new price is reduced by $(b - 1)\%$, and that takes the unit price back to $\text{£}a$.

What, to 3 significant figures, is b ?

To get your final answer, multiply your value by 79155, add 10 and take the integer part.