Why does unsigned char x = 168 + 96 represent 8?

$\underline{x}_A$ with $B2U_8(\underline{x}_A) = 168$

1	0	1	0	1	0	0	0

$\underline{x}_B$ with $B2U_8(\underline{x}_B) = 96$

\+

0	1	1	0	0	0	0	0

$B2U_8($

0	0	0	0	1	0	0	0

$)$

$= 8$

$(B2U_8(\underline{x}_A) + B2U_8(\underline{x}_B)) \bmod 2^8$