Define the even integers \( int \times 2 \) by construction and induction, without using multiplication or division.

After trying the question, scroll down to the solution.
§ I'll call the even integers $evint$.

0, $evint+2$, $evint–2$: $evint$

0, $B+2$, $B–2$: $B \Rightarrow evint$: $B$