MX 8 A team of 11 students is to be chosen from a group of 18 students.
SP Among the 18 students are 3 students who are left-handed.
What is the number of possible teams containing at least 1 student who is left-handed?
A. 19448
B. 30459
C. 31824
D. 58344

B

$$
\text { Number of possible teams }={ }^{18} C_{11}
$$

Number of teams with no left-handed students $={ }^{15} C_{11}$
Number of teams with at least one left-handed students $={ }^{18} C_{11}-{ }^{15} C_{11}$

$$
\begin{aligned}
& =31824-1365 \\
& =30459
\end{aligned}
$$

* These solutions have been provided by projectmaths and are not supplied or endorsed by NESA.

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