

Order of operations with brackets

MODULE 2 · OPERATIONS AND COMPUTATIONAL FLUENCY NUMBER

HOW TO ANSWER TODAY

- **Order of operations.** Brackets first, then $\times$ and $\div$, then $+$ and $-$. Inside each group, work LEFT to RIGHT.

$$3 + 2 \times 5 \rightarrow 3 + 10 = 13 \cdot (4 + 2) \times 3 \rightarrow 6 \times 3 = 18$$

STRETCH PROBLEMS

- 1 On the 5th class nature walk through the local park, Cian counts **11** oak trees and **7** of them have acorns underneath. Each of the remaining oak trees without acorns has **12** birds perched in its branches. How many birds does Cian count in total, working out **12** $\times$ (**11** $-$ **7**)?
- 2 5th class are heading on a school tour to Glendalough. The bus already has **45** pupils on board. At the next stop, **7** families each send **4** children to join the trip, and then **4** pupils hop off to travel with their parents instead. How many pupils end up on the bus? Work out **45** $+$ **7** $\times$ **4** $-$ **4**.
- 3 Aoife has **55** autumn leaves saved in her art folder. She gathers **7** more bunches in the school yard, with **9** leaves in each bunch, but **2** leaves get torn and thrown away. How many usable leaves does she have for the art lesson?