

Order of operations – brackets, division, multiplication, addition, subtraction

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 to the Cliffs of Moher on a school tour. There are **66** pupils already on the coach, plus **9** rows of **9** seats filled by pupils from another school joining them, but **4** pupils have to stay back at the visitor centre. How many pupils are on the cliff walk in total?
- 3 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 **$45 + 7 \times 4 - 4$** .