

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.

STRETCH PROBLEMS

- 1 Tadhg is counting juice cartons at the school canteen till. He already has 5 cartons set aside. Then 3 packs arrive and each pack holds the cartons left after taking 3 from a box of 11. How many cartons does he have in total?
- 2 For an autumn art lesson, Oisín gathers 9 leaves from each of the 9 trees beside the school yard, but 4 of the leaves from each tree are too torn to use. How many usable leaves does he have, worked out as $9 \times (9 - 4)$?
- 3 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 $12 \times (11 - 7)$?
- 4 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 $45 + 7 \times 4 - 4$.
- 5 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?