

Multi-step word problems and operation choice

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

- The school library has 4190 books on its shelves. The principal orders the same number of books for each of the 7 primary schools in the parish. How many books are needed in total?
- On the school nature walk, 5th class are counting the steps along the river loop in Phoenix Park. The full loop is 7296 steps and the pupils have already walked 5797 steps. How many steps are left until they finish the loop?
- At break time, Tadhg opens a new pack of 5 biscuits and adds 10 more from a tin. He then shares them evenly between 10 pupils, minus the 7 who already had a snack. How many biscuits does each pupil get, working out $(5 + 10) \times (10 - 7)$?
- On the school nature walk through the local park, 5th class count 3427 steps along one loop of the trail. The teacher tells them they will walk the same loop 7 times across the term. How many steps will they take in total?
- Four cousins club together to buy their grandad a birthday present that costs €2747.60. They split the cost equally between them. How much does each cousin pay?

$$2747.6 \div 4 = ?$$

INVESTIGATE

Plan a class trip

Your class of 28 is going on a day trip. Choose a destination, look up (or estimate) the cost of travel, entry and lunch per pupil, and work out the **total cost**. What would each pupil need to bring?