

# Mental strategies for addition and subtraction

MODULE 2 · OPERATIONS AND COMPUTATIONAL FLUENCY NUMBER

Good mental strategies make addition and subtraction quick: **round and adjust, count on, or use known number bonds.**

$$\rightarrow 299 + 156 \rightarrow 300 + 156 - 1 = 455.$$

$$\rightarrow 503 - 198 \rightarrow 503 - 200 + 2 = 305.$$

## WORK OUT $397 + 248$ MENTALLY

- 1 Round 397 up to **400** (that's 3 too many).
- 2  $400 + 248 = 648$ .
- 3 Take back the 3:  $648 - 3 = 645$ .

### WARM-UP

a.  $28 + 68 =$

b.  $28 + 25 =$

c.  $28 + 96 =$

d.  $68 + 99 =$

### PRACTICE

- 1 **967** tickets were printed for the Cumann na mBunscol blitz at the county grounds. By Saturday morning, **695** tickets had been sold. How many tickets are left to sell?

- 2 The local bakery in the village sells **695** barmbracks in the week leading up to Halloween, and another **967** over the Halloween weekend itself. How many barmbracks does the bakery sell in total?

### CHALLENGE

- 1 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?

- 2 5th class are collecting autumn leaves for a giant nature collage in the school hall. The boys gather **3386** leaves from the school yard and the girls bring in **8528** leaves from the woods near Glendalough. How many leaves do they have altogether for the collage?