

Multiplying and dividing decimals by 10, 100, 1000

MODULE 1 · PLACE VALUE, DECIMALS AND THE NUMBER SYSTEM

NUMBER

★ STRETCH PROBLEMS

- 1 Cian's 5th class are running a sponsored leaf-collection for an art lesson. Each pupil collects a small bag of autumn leaves weighing **19.094 g** on average, and **100** pupils across the school take part. What is the total mass of leaves collected in grams?
- 2 The school canteen records that one tray of lunches costs **€76.173** to prepare on the spreadsheet before rounding. The canteen manager needs to work out the cost of preparing **10** trays at that same rate. What is **76.173 × 10**?
- 3 Cara's sleepover snack mix uses **19.422 kg** of mixed biscuits per batch at the bakery. The bakery is making **1000** batches for a big school sleepover fundraiser across the county. How many kilograms of biscuits are needed altogether?
- 4 The class library charges **€24.28** to replace a lost hardback book. The librarian works out the cost of replacing **100** hardbacks if the whole set were lost. What is the total replacement cost?
- 5 5th class are making sandwich platters for the school picnic. Each platter costs **€95.22** in ingredients, and the class is preparing **10** platters for all the year groups. How much will the ingredients cost in total?



$\frac{1}{2}$



$\frac{1}{2}$

NUMBER



$\frac{1}{2}$

