

Design-and-cost project: an end-of-primary celebration on a budget

MODULE 11 · END-OF-PRIMARY MODELLING AND REVIEW REVIEW

HOW TO ANSWER TODAY

- **Share in a ratio.** Add the ratio parts. Divide the total by that number to find ONE part. Multiply each ratio number by it.
- **Discount / increase.** Work out the percent of the price, then take it off (discount) or add it on (increase).

€80 with 15% off → 15% of €80 = €12 → €80 - €12 = €68

★ STRETCH PROBLEMS

- 1 Aoife's 6th class is baking soda bread for the spring fair. A recipe for 3 people uses 175 g of flour. How much flour is needed for 12 people?
- 2 6th class raise €100 at the school bake sale to put towards their class trip. They share the money between buns, brownies and rocky road in the ratio 2:3:5 to plan next week's bake. How much money goes to each item?
- 3 Niamh and her brother stop at the Centra near the cinema, where 4 identical popcorn bags cost €32 in total. They want to bring 15 bags to share with their cousins after the film. Using the unitary method, what do 15 bags cost?
- 4 140 pupils from 6th class are going on the school tour to the Cliffs of Moher in Clare. 15% of the pupils have chosen the guided walk along the cliff path. How many pupils have chosen the guided walk?
- 5 A picnic hamper for the 6th class trip costs €180 at the local Centra deli. The shop gives the class a 15% discount because they are ordering for a school event. What is the new price of the hamper?