

Recipes, mixtures and scaling quantities

MODULE 4 · RATIO AND PROPORTION NUMBER

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.

STRETCH PROBLEMS

- 1 Cara is baking brown bread for the tea after the club hurling match at the local pitch. A recipe for 8 people uses 225 g of flour. How much flour is needed for 32 people?
- 2 Aoife helps at the school tuck shop, which takes in €24 from selling pencils, rubbers and stickers. The money is shared between the three items in the ratio 1:2:3. How much money is raised from each item?
- 3 6th class raised €104 from a raffle for the Christmas hamper. They share the money between three local charities in the ratio 1:3:4. How much does each charity receive?
- 4 Caoimhe has a brown-bread recipe that serves 3 people and uses 125 g of flour. She wants to bake enough for 15 people at the school bake sale. How much flour does she need?
- 5 A school bake sale recipe for 3 people uses 75 g of flour. How much flour is needed when the class scales it up for 12 people?

INVESTIGATE

Cooking for a crowd

Find a recipe that serves 4. Rewrite every ingredient to serve your **whole class**. Which ingredients are awkward to scale, and why?
