

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.

Share €90 in 2:3 → 5 parts, $€90 \div 5 = €18$ per part → €36 and €54

 STRETCH PROBLEMS

- 1** 5th class have €120 to spend on decorations for World Book Day. They split the money between bunting, posters and book covers in the ratio 2:3:5. How much do they spend on each?

Share €120 in the ratio 2:3:5.

- 2 5th 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 5th class raise €90 at the bake sale tray during break. They agree to share the money between the GAA club, the school garden and the book fund in the ratio 2:3:5 . How much does each group get?

- 4 5th class bake 70 buns for the cake sale to raise money for the Junior Infants' new playground. They split the buns between the school hall stall and the yard stall in the ratio 2:5. How many buns go to each stall?

Share 70 in the ratio 2:5.

- 5 5th class sell 54 raffle tickets for the Christmas hamper. The tickets are split between boys and girls in the ratio 1:5. How many tickets does each group sell?

Share 54 in the ratio 1:5.

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?