Direct proportion and the unitary method

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 ÷ 5 = €18 per part → €36 and €54

STRETCH PROBLEMS

1. 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?

2. 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.

3. Cian, Saoirse and Tadhg share out **35** library books to carry back to the classroom in the ratio **1:2:4**. How many books does each child carry?

4. 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.

5. 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.