

Ratio, proportion and percentage links

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
- **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 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 **€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?
- 3 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?
- 4 A new bird-feeder kit for the classroom window costs **€200** at the garden centre. Cian sees a sign saying all bird-feeder kits are reduced by **15%** this week. What is the new price?
- 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.