Lesson 40

Introducing ratio as comparison of quantities

MODULE 4 · RATIO AND PROPORTION NUMBER

A **ratio** compares two amounts of the same kind, written with a colon. **2 : 3** means 'two for every three'.

2 red : 3 blue

→ 3 red to 2 blue counters → ratio **3 : 2**.
→ Order matters: 3 : 2 is not the same as 2 : 3.

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

WARM-UP

1. 5th class are running a breakfast morning and need **35** scoops of porridge oats in total. The oats are split between two big pots in the ratio **1:4**, with the smaller pot for the infants and the larger pot for the senior classes. How many scoops go into each pot?
   Share 35 in the ratio 1:4.

2. 5th class are planting **56** seeds in the school polytunnel this spring. They share the seeds between lettuce and carrots in the ratio **3:4**. How many seeds of each type are planted?
   Share 56 in the ratio 3:4.

PRACTICE

1. 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.

2. 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.

CHALLENGE

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.