

Understanding Ratios (Basic)

Chapter 9: Coconut Farm · Topic 2

Key Concept

If there are 2 boys and 3 girls in a group, the ratio of boys to girls is 2:3, meaning for every 2 boys, there are 3 girls.

Ratios can be simplified like fractions - a ratio of 4:8 simplifies to 1:2 (dividing both numbers by their greatest common factor, 4).

Ratios are used to compare quantities in recipes (like 2 cups flour to 1 cup sugar), mixing paint colours, or comparing group sizes.

Understanding ratios helps us maintain correct proportions when scaling up or down a recipe, mixture, or any comparison of quantities.

Quick Revision Notes

- A ratio compares two quantities.
- 2 boys and 3 girls gives a ratio of 2:3.
- Ratios can be simplified like fractions.
- 4:8 simplifies to 1:2.
- Ratios are used in recipes and mixing.
- 2 cups flour to 1 cup sugar is a ratio example.
- Understanding ratios helps maintain correct proportions.
- Ratios compare relative amounts, not exact totals.

Practice Questions

- 1 Find the ratio of two groups of objects, like pencils to pens.
- 2 Simplify the ratio 10:15.
- 3 Create a recipe with a ratio of two ingredients.
- 4 Explain what a ratio means in your own words.
- 5 Find a ratio example in daily life.
- 6 Practice simplifying three more ratios.