

Word Problems on Farm Data

Chapter 6: The Dairy Farm · Topic 2

Key Concept

A farm word problem might say, 'A farmer has 250 chickens and sells 85. How many chickens are left?' We subtract: $250 - 85 = 165$.

Another problem might involve totals, like 'A farmer has 3 fields producing 120 kg, 150 kg, and 95 kg of wheat. What is the total yield?' We add: $120 + 150 + 95 = 365$ kg.

Farm data problems can also use multiplication, like finding the total eggs from 45 hens laying 5 eggs each in a week ($45 \times 5 = 225$).

Practising farm-based word problems connects maths to agriculture, helping us understand how maths is used in real farming situations.

Quick Revision Notes

- Farm problems can use subtraction for remaining animals or produce.
- $250 - 85 = 165$ chickens left.
- Farm problems can use addition for total yield.
- $120 + 150 + 95 = 365$ kg total wheat yield.
- Farm problems can use multiplication for totals from groups.
- $45 \text{ hens} \times 5 \text{ eggs} = 225 \text{ eggs}$.
- These problems connect maths to agriculture.
- Careful reading identifies the correct operation.

Practice Questions

- 1 Solve: A farmer has 180 goats and sells 65. How many are left?
- 2 Solve: Three orchards produce 200, 175 and 225 kg of fruit. What is the total?
- 3 Create your own farm word problem.
- 4 Solve a multiplication problem about farm animals or produce.
- 5 Discuss why maths is useful for farmers.
- 6 Solve three more farm data word problems.