

Introduction to Fractions - Halves and Quarters

Chapter 8: Fair Share · Topic 1

Key Concept

When something is divided into 2 equal parts, each part is a half ($\frac{1}{2}$). When divided into 4 equal parts, each part is a quarter ($\frac{1}{4}$).

Two halves make one whole ($\frac{1}{2} + \frac{1}{2} = 1$), and four quarters make one whole ($\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = 1$).

We can also see that two quarters equal one half ($\frac{1}{4} + \frac{1}{4} = \frac{1}{2}$), showing how different fractions can be equal in value.

Halves and quarters are common in daily life, like cutting a sandwich in half, or sharing a pizza into quarters among friends.

Quick Revision Notes

- A half ($\frac{1}{2}$) is one of two equal parts.
- A quarter ($\frac{1}{4}$) is one of four equal parts.
- Two halves make one whole.
- Four quarters make one whole.
- Two quarters equal one half.
- Different fractions can have equal value.
- Halves and quarters appear in daily life.
- Sharing food often uses halves and quarters.

Practice Questions

- 1 Cut a paper into two equal halves.
- 2 Cut a paper into four equal quarters.
- 3 Show that two quarters equal one half using paper.
- 4 Find something at home that can be divided into halves or quarters.
- 5 Draw a circle and shade one-quarter.
- 6 Share a snack into quarters with three friends.