

Introduction to Fractions

Chapter 7: Rani's Gift · Topic 1

Key Concept

When we divide something into two equal parts, each part is called one-half, written as $\frac{1}{2}$. When divided into four equal parts, each part is one-quarter, written as $\frac{1}{4}$.

A fraction has two numbers: the top number (numerator) tells how many parts we have, and the bottom number (denominator) tells how many equal parts the whole is divided into.

For a fraction to make sense, the whole must be divided into equal-sized parts - if the parts are different sizes, it isn't a proper fraction division.

We see fractions in daily life, like sharing a chocolate bar equally between friends, or cutting a sandwich in half.

Quick Revision Notes

- A fraction shows a part of a whole.
- One-half ($\frac{1}{2}$) means dividing into two equal parts.
- One-quarter ($\frac{1}{4}$) means dividing into four equal parts.
- The top number (numerator) shows how many parts we have.
- The bottom number (denominator) shows total equal parts.
- Parts must be equal-sized for a proper fraction.
- We see fractions in daily life, like sharing food.
- $\frac{1}{2}$ and $\frac{1}{4}$ are common simple fractions.

Practice Questions

- 1 Cut a piece of paper into two equal halves.
- 2 Cut a piece of paper into four equal quarters.
- 3 Find something at home that can be divided into halves.
- 4 Draw a circle and shade one-half of it.
- 5 Draw a square and shade one-quarter of it.
- 6 Share a snack equally with a sibling or friend and describe the fraction.