

Fractions (Including Problems)

Chapter 14: Fractions (Including Problems) · Topic 1

Key Concept

Fractions can be proper (numerator smaller than denominator, like $\frac{3}{4}$), improper (numerator larger, like $\frac{5}{4}$), or mixed numbers (like $1\frac{1}{4}$).

To add or subtract fractions with different denominators, we first convert them to a common denominator.

We solve fraction word problems by carefully identifying what operation is needed based on the situation described.

Understanding fractions well helps us handle real-life situations, like dividing food, measuring ingredients, or sharing items fairly.

Quick Revision Notes

- Proper fractions have numerator smaller than denominator.
- Improper fractions have numerator larger, like $\frac{5}{4}$.
- Mixed numbers combine whole numbers and fractions.
- We convert to a common denominator to add/subtract.
- Word problems need careful reading to identify the operation.
- Fractions help with dividing food or measuring.
- They help share items fairly.
- Practice builds fraction problem-solving skills.

Practice Questions

- 1 Convert $\frac{7}{4}$ to a mixed number.
- 2 Add $\frac{1}{3} + \frac{1}{6}$.
- 3 Solve: If a pizza is cut into 8 slices and you eat 3, what fraction did you eat?
- 4 Compare $\frac{2}{3}$ and $\frac{3}{4}$.
- 5 Convert $2\frac{1}{2}$ to an improper fraction.
- 6 Solve two fraction word problems.