

Fractions

Chapter 4: Fractions · Topic 1

Key Concept

A fraction like $\frac{3}{4}$ means 3 parts out of 4 equal parts, with 3 as the numerator and 4 as the denominator.

To compare fractions with the same denominator, we compare the numerators - the fraction with the bigger numerator is larger.

To add or subtract fractions with the same denominator, we simply add or subtract the numerators and keep the denominator the same.

For example, $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$, since we add the numerators ($1+2=3$) and keep the denominator (4) the same.

Quick Revision Notes

- A fraction represents parts of a whole.
- $\frac{3}{4}$ has numerator 3 and denominator 4.
- Compare fractions with the same denominator by numerator.
- Bigger numerator means bigger fraction.
- Add/subtract same-denominator fractions using numerators.
- Keep the denominator the same.
- $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$.
- Fractions help describe and calculate parts.

Practice Questions

- 1 Add $\frac{1}{5} + \frac{2}{5}$.
- 2 Subtract $\frac{3}{7} - \frac{1}{7}$.
- 3 Compare $\frac{2}{3}$ and $\frac{1}{3}$, saying which is bigger.
- 4 Draw a shape divided into fourths and shade $\frac{3}{4}$.
- 5 Write three fractions with denominator 6.
- 6 Solve two fraction addition problems.