

P3-P5
FRACTIONS

GYM Edu Hub Primary

Fractions Revision Map

For P3-P5 students - build confidence in parts, wholes and fraction operations.

Teacher Hidayah says: A fraction only makes sense when you know the whole. Always ask: What is the whole?

Fractions Mind Map

1. Numerator The top number. It tells how many parts we are talking about.	2. Denominator The bottom number. It tells how many equal parts the whole is divided into.
3. Equivalent fractions Different fractions can have the same value, e.g. $\frac{1}{2} = \frac{2}{4} = \frac{3}{6}$.	4. Compare fractions Use common denominator, benchmark fractions or convert if needed.
5. Add/Subtract Make denominators the same before adding or subtracting.	6. Word problems Identify the whole, then decide whether to add, subtract, multiply or divide.

Important Fraction Ideas

- The denominator must refer to equal parts.
- For addition and subtraction, denominators must be the same.
- For word problems, the whole may change from sentence to sentence.
- Always simplify your answer if needed.

Worked Example

Question: A cake was cut into equal slices. Sarah ate $\frac{1}{4}$ of the cake. Her brother ate $\frac{3}{8}$ of the cake. What fraction of the cake was eaten altogether?

Step 1: Identify operation	The word "altogether" tells us to add.
Step 2: Make denominators same	$\frac{1}{4} = \frac{2}{8}$.
Step 3: Add	$\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$.
Answer	$\frac{5}{8}$ of the cake was eaten altogether.

Common Fraction Mistakes

- Adding denominators when adding fractions.
- Forgetting to make denominators the same.
- Not identifying the whole.
- Assuming a bigger denominator means a bigger fraction.
- Forgetting to simplify the final answer.

Quick Check: Before doing a fraction question, ask: Are the parts equal? What is the whole?

Before-Class Prep

- Warm-up 1: Which is bigger, $\frac{1}{2}$ or $\frac{1}{3}$? Explain why.
- Warm-up 2: Change $\frac{1}{4}$ to an equivalent fraction with denominator 8.
- Warm-up 3: Add $\frac{1}{5} + \frac{2}{5}$.

After-Class Practice

- Complete 5 fraction questions.
- Circle the whole in each word problem.
- For addition/subtraction, check the denominators.
- Write down which step made you stuck.

Mistake Fix Zone

Wrong whole I used the wrong total or group as the whole.	Wrong denominator I added or subtracted without making denominators same.
Wrong operation I added when I should subtract, or multiplied when I should divide.	Careless error I knew the method but calculated wrongly.