Introduction to Adding Fractions

Learning Objectives

- **Foundation**: Recognize and write fractions with the same denominator
- **Core**: Add fractions with the same denominator
- **Extension**: Add fractions with different denominators

Success Criteria

- Identify and explain the concept of equivalent fractions
- Demonstrate an understanding of the concept of adding fractions with the same denominator
- Apply the concept of adding fractions to solve problems

Differentiation Strategies

To cater to mixed-ability learners, the following differentiation strategies can be employed:

- **Visual aids**: Use diagrams, charts, and graphs to help students visualize the concept of adding fractions
- **Concrete objects**: Utilize real-life objects, such as blocks or fraction walls, to demonstrate the concept of adding fractions
- **Technology integration**: Leverage digital tools, such as math apps or online games, to provide interactive and engaging learning experiences
- **Peer support**: Encourage peer-to-peer learning, where students can work in pairs or small groups to solve problems and discuss their understanding

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What is a fraction?	A fraction is a way of showing part of a whole.
1/25	1/25

What is the denominator of a fraction?

The denominator is the number of equal parts the whole is divided into.

What is the numerator of a fraction?

The numerator is the number of parts being considered.

How can you convert an improper fraction to a mixed number?

You can convert an improper fraction to a mixed number by dividing the numerator by the denominator and writing the remainder as a fraction.

Study Tips and Mnemonics

- Use visual aids, such as fraction walls, to help you understand the concept of equivalent fractions.
- Practice adding fractions with different denominators by finding the LCM and converting both fractions to have the same denominator.
- Use the mnemonic "LCM" to remember the steps to add fractions with different denominators: Find the Least Common Multiple, Convert both fractions, and Add them.

- Use real-life scenarios to apply the concept of adding fractions to solve problems.