

Addition and Subtraction of Fractions

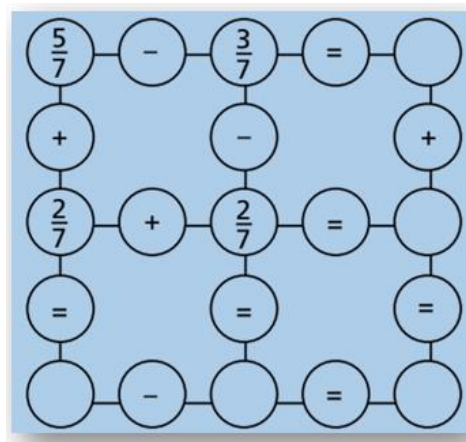
Learning Objective:

- Add and subtract two or three fractions with different denominators.

Let's talk math: Ask pupils how they use fractions in their daily life.

Make Sure You Have:

- Bowls
- Chits
- Puzzle activity sheet



Activity: Fraction Puzzle

Duration: 1 Lesson

Group Activity

Let's Try It:

- Pair up the students and pass around a bowl of chits, each containing a fraction (with different denominators).
- Each pair picks three chits.
- On the board, demonstrate adding three fractions by finding a common denominator and simplifying the result.
- Rearrange the fractions from largest to smallest and demonstrate subtraction.
- Ask each pair to do the same: add, simplify, arrange, and subtract their fractions.
- Emphasise simplifying fractions at each step.

Assessment:

- Prepare a puzzle activity sheet and distribute to each pupil.
- Explain that they should solve the puzzle by adding or subtracting fractions across and down.
- When everyone is done with their work, discuss the answers as pupils check their work.

Division and Multiplication of Fractions**Learning Objective:**

- Solve real-life situations involving multiplication of fractions.
- Solve real-life situations involving division of fraction.

Let's Talk Mmath: Explain how fractions are used in baking to tell what quantity of an ingredient to use, in telling time; where each minute is a fraction of an hour., and on a doctor's prescription to tell how much of a medicine should be taken.

Activity: Fraction Adventure

$$\frac{5}{3} \times \frac{3}{5} \frac{5}{8} \div \frac{3}{6}$$

Duration: 1 Lesson**Whole Class Activity****Let's Try It:**

- Ask pupils if they have ever used or seen fractions in real life.
- If many say no, explain using examples, such as sharing a slice of cake or pizza, or planning a part of a day.
- Go around the class and ask each pupil to think of a real-life situation where fractions are or could be used.
- Once they present their situation, ask them which number operation (addition, subtraction, etc.) they would need and why.
- Help the pupil form a math problem based on their situation and write it on the board.
- Have the rest of the class solve the problem together.

Assessment:

- Present pupils with this ingredient list for a 2-pound vanilla cake which can serve 12 people.
- Rewrite the list of ingredients needed to make a 1-pound cake.
- How many people will it serve?
- Work out which number operation will be necessary.